



IPAX ATLANTIC LLC

SAFETY DATA SHEET

Product Name: Krystal Clear

Effective Date: 3-16-AD 2021

SDS#: 1216

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1. IDENTIFICATION

IPAX product identifier: Krystal Clear

Other means of identification: Window Cleaner

Product type: Liquid

Identified uses: glass and multi-surface cleaners

Supplier's details: IPAX Atlantic, LLC
8301 Lyndon Street
Detroit, Michigan 48238-2444
Tel: 313-933-4211
Fax: 313-933-4454
Web: www.ipax.com

Emergency telephone number (with hours of operation): 800-930-4729

2. HAZARDS IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2B

GHS label elements

Signal word: Warning

Hazard statements: Causes eye irritation.

Precautionary statements

Prevention: Wear eye or face protection. Wash hands thoroughly after handling.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove Contact lenses, if present and easy to do. Continue rinsing. If eye Irritation persists: Get medical attention.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

CAS number/other identifiers:

CAS number: Not Applicable.

Product code: Not Applicable.

Ingredient Name	%	CAS number
Proprietary ingredient 3	Proprietary	-
Proprietary ingredient 1	Proprietary	-

The chemical identify and exact percentage of the composition has been withheld as it is a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES



Description of necessary first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. If irritation persists, get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. Maintain an open air way.

Skin contact: Flush contaminated skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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4.FIRST AID MEASURES

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact: Causes eye irritation.

Inhalation: exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact: No known significant effects or critical hazards.

Ingestion: May be irritation to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:
Irritation, watering, redness.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

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1. FIRE FIGHTING MEASURES

Indication of immediate medical attention and special treatment needed, if necessary.

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

2. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If 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”

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (See Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

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3. HANDLING AND STORAGE

Advice on general occupational hygiene Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating. Drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage: including any incompatibilities Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and foods and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that haven been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

4. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls Good general ventilation should be sufficient to control worker exposure to airborne contaminates.

Environmental exposure: controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemicals products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing before reusing . Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection : Safety eyewear complying with an approved standard should be used when A risk assessment indicates this is necessary to avoid exposure to liquid



Splashes, mist, gases or dust. If contact is possible, the following protection Should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

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8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin protection

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough to any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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.

Other skin protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product.

Respiratory protection:

Use a properly fitted, air-purifying or supplied air 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 respiration.



5. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state:	Liquid.
Color:	Customers Choice
Odor:	Mild (Slight)
Odor Threshold:	Not available.
pH:	9.5
Melting point:	Not available.
Boiling point:	Not available.
Flash point:	250°F
Evaporation rate:	1.0
Flammability (solid, gas):	Not available.
Lower and upper explosive: (Flammable) Limits	Not available.
Vapor pressure:	Not available.
Vapor density:	Not available.
Relative density:	Not applicable

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9. PHYSICAL AND CHEMICAL PROPERTIES

Solubility: Easily soluble in the following materials: water
Partition coefficient: Not available
Octanol/water
Auto-ignition temperature: Not available
Decomposition Temperature: Not available
Viscosity: Not available

6. STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: No specific data.

Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials.

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

7. TOXICOLOGICAL INFORMATION**Information on toxicological effects****Acute toxicity**

Product/Ingredient name	Result	Species	Dose	Exposure
Proprietary ingredient 1	LD50 Oral	Rat	>5000mg/kg	-
EMG	LD50 Dermal	Rat	3394 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

There is no data available.

Sensitization

There is not data available.

Carcinogenicity

There is not data available

Specific target organ toxicity (single exposure)

There is not data available

Specific target organ toxicity (repeated exposure)

There is not data available.

Aspiration hazard

There is not data available.

Information on the likely routes of exposure

Dermal contact. Eye contact, Inhalation, Ingestion.

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11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Eye contact: Causes eye irritation.
Inhalation Exposure to decomposition product may cause a health hazard. Serious effects
May be delayed following exposure.
Skin contact: No known significant effects or critical hazards.
Ingestion: May be irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: Adverse symptoms may include the following:
Irritation
Watering
Redness
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long exposure

Short term exposure

Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects: No known significant effects or critical hazards.

Long term exposure

Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects: No known significant effects or critical hazards.

Potential chronic health effects

General: No known significant effects or critical hazards.
Carcinogenicity: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.
Teratogenicity: No known significant effects or critical hazards.
Developmental effects: No known significant effects or critical hazards.
Fertility effects: No known significant effects or critical hazards.

Numerical measures to toxicity

Acute toxicity estimates

There is not data available.

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8. ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
Proprietary ingredient 1	Acute EC50>10mg/l	Fish	96 hours
EMG	Acute EC50>100mg/l	Fish	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
EGM	-	-	Readily

Biocumulative potential

There is not data available.

Mobility in soil

**Soil/water partition:
Coefficient (Koc)** Not available.

Other adverse effects: No known significant effects or critical hazards.

9. DISPOSAL CONSIDERATIONS

Disposal methods: the generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycling. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

10. TRANSPORT INFORMATION

	TDG/DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper Shipping name	-	-	-
Transport Hazard class(es)	-	-	-
Packing group	-	-	-
Environmental Hazards	No.	No.	No.
Additional Information	-	-	-

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14. TRANSPORT INFORMATION

Special precautions for user: **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.

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

11. REGULATORY INFORMATION

U.S. Federal regulations: **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: Proprietary ingredient 6

Clean Air Act Section 112: (b) Hazardous Air Pollutants H(HAPs): Not Listed

Clean Air Act Section 602: Class I Substances: Not Listed

Clean Air Act Section 602: Class II Substances: Not Listed

DEA List I Chemicals: (Precursor Chemicals): Not Listed

DEA List II Chemicals: (Essential Chemicals): Not Listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ: Not applicable.

SARA 311/312

Classification: Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Proprietary ingredient 3	Proprietary	No	No	No	Yes	No
Proprietary ingredient 1	Proprietary	No	No	No	Yes	No

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15. REGULATORY INFORMATION

International lists

National inventory

Australia:	All components are listed or exempted.
Canada:	All components are listed or exempted.
China:	All components are listed or exempted.
Europe:	All components are listed or exempted.
Japan:	All components are listed or exempted.
New Zealand:	All components are listed or exempted.
Philippines:	All components are listed or exempted.
Republic of Korea:	All components are listed or exempted.
Taiwan:	All components are listed or exempted.

16. OTHER INFORMATION

History

Date of issue:	6/18/2015
Date of previous issue	09/26/2016
Revision Version:	3-16-AD 2021
Revised Section(s)	All
Prepared by:	Ipax Atlantic, LLC
Key to abbreviations:	ATE=Acute toxicity estimate. BCF=Bioconcentration Factor GHS=globally Harmonized System of Classification and labelling of Chemicals. IATA=International Air Transport Association IBC=Intermediate Bulk Container IMDG=International Maritime Dangerous Goods LogPow=logarithm of the octanol/water partition coefficient. MARPO: 73/78= International Convention for the Prevention of Pollution from ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution). UN-United Nations

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.

End of Safety Data Sheet