

SAFETY DATA SHEET

GHS FORMAT

Date issued : 07/23/2024
SDS number : 1111

CHROMA/BOND 30 ADHESIVE

1. Identification

Product identifier: CHROMA/BOND 30 ADHESIVE

Product description: Adhesive

Relevant identified uses: Adhesive used for bonding screen printing mesh to the frame

Manufacturer / Supplier

IKONICS

4832 Grand Ave.

Duluth, MN 55807

Alternate Emergency Phone: 800-328-4261

Customer Service: 218-628-2217

E-Mail: sds@ikonics.com

Web: www.ikonics.com

Emergency telephone number (24 hour)

CHEMTREC + 1 800-424-9300

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Eye Irritation, Category 2A

Target Organ Toxicity (Single exposure), Category 3

Physical hazards:

Flammable Liquids, Category 2

Label elements



Flame



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash skin thoroughly after handling.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

Response:

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P370+P378: In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER/doctor/physician if you feel unwell.

Storage:

P235: Keep cool.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance to federal/state/local regulations.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Acetone	70 - 90	67-64-1

4. First-aid measures

Eye: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. Fire-fighting measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Not Available

Explosion hazards: Extremely flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse containers without commercial cleaning or reconditioning.

Fire fighting procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water may be ineffective. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Small fires: carbon dioxide or dry chemical.

Large fires: alcohol-type aqueous film-forming foam or water spray.

Hazardous decomposition products: Not Available

Comments: Use water spray to cool unopened containers.

6. Accidental release measures

Small spill: Wear appropriate personal protective equipment. Eliminate all sources of ignition. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use water mist or spray to disperse vapors. Collect spilled material for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbent. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean up spill area with decontaminant solution composed of concentrated ammonia (5 percent), detergent (2 percent), and water (93 percent). Cover spill area with suitable absorbent material. Pour decontaminant solution over spill area and allow to react for at least 10 minutes. Collect material in open-head metal container. Flush spill area with water spray after clean up.

Large spill: Wear suitable protective equipment. Contain spill. Soak up with absorbent material and transfer to a container for disposal according to local/state/federal regulations.

7. Handling and storage

Precautions for safe handling: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes,

skin, and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment.

Conditions for safe storage: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

Shelf life: 24 months

8. Exposure controls/personal protection

Exposure controls

Control parameters				
		Occupational exposure limit values		
Chemical name	Type		ppm	mg/m ³
Acetone	OSHA PEL	TWA	1000 [1]	2400 [1]
	ACGIH TLV	TWA	500 [2]	[2]
		STEL	750 [2]	[2]

Footnotes:

1. The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.
2. Eye & upper respiratory tract irritation, central nervous system impairment, hematologic effects, substances for which there is a Biological Exposure Index or Indices. Not classifiable as a human carcinogen.

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - other: Apron recommended.

Occupational hygiene practices: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. Physical and chemical properties

Physical state: Liquid

Color: Red

Odor: Acetone

pH: Not Available

Melting point: Acetone: Melting point/range: -94 °C (-137 °F) - lit.

Initial boiling point and boiling range: Acetone: 56 °C (133 °F) at 1,013 hPa (760 mmHg) - lit.

Flash point: -17°C (1.4°F) TCC

Evaporation rate (n-butyl acetate = 1): Not Available

Lower explosion limit / flammability limit: 2.5% (Acetone)

Upper explosion limit / flammability limit: 12.8% (Acetone)

Vapor pressure: Acetone: 533.3 hPa (400.0 mmHg) at 39.5 °C (103.1 °F) 245.3 hPa (184.0 mmHg) at 20.0 °C (68.0 °F)

Relative vapor density: Not Available

Relative density: 0.842

Solubility: partial

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Viscosity: Not Available

Molecular weight: Not Available

Pour point: Not Available

Percent volatiles: Not Available

VOC content: 0 g/L

10. Stability and reactivity

Reactivity: Yes

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.

Possibility of hazardous reactions: Vapours may form explosive mixture with air.

Hazardous decomposition products: Not Available

Incompatible materials: Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Acetone	5800 mg/kg [Rat]	7426 mg/kg [guinea pig]	50100 mg/m ³ [rat] 8h

Acute dermal toxicity LD₅₀: Not yet Determined

Acute oral toxicity LD₅₀: Not yet Determined

Acute inhalation toxicity LC₅₀: Not yet Determined

Carcinogenicity

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

12. Ecological information

Aquatic toxicity, both acute and chronic

Notes: CAS # 67-64-1: Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 5,540 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates LC50 - *Daphnia magna* (Water flea) - 8,800 mg/l - 48 h Toxicity to algae Remarks: no data available

Bioaccumulative potential: Does not bioaccumulate.

13. Disposal considerations

Disposal methods: Dispose of in accordance with all current local, state and federal regulations.

Empty container: Dispose of as unused product.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Adhesives containing flammable liquid

UN number: UN1133

Transport hazard class(es): 3

Packing group, if applicable: II



Hazard label:

Special shipping notes: Do not expose to temperature below 7C/45F

ICAO / IATA - air

UN proper shipping name: Adhesives containing flammable liquid

UN number: UN1133

Transport hazard class(es): 3

Packing group, if applicable: II



Hazard label:

Note: Passenger air max: 5L

Packages may not exceed 30kg gross weight

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: FIRE HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

313 reportable ingredients: None

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: None

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Acetone	70 - 90	5,000

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Acetone	67-64-1

TSCA regulatory: All components of this product are listed on the TSCA Inventory.

Regulations

State regulations: CAS # 30662-91-0: New Jersey Right To Know Component, Pennsylvania Right To Know Components, Massachusetts Hazardous Substance, CAS # 67-64-1: CA Hazardous Substance, Delaware Air Quality Management, Idaho Air Pollutant, Maine Hazardous Air Pollutant, Massachusetts Hazardous Substance, Minnesota Hazardous Substance, New York Hazardous Substance, Pennsylvania Hazardous Substance, Washington PELs for Air Contaminants

California Proposition 65: None

CANADA

WHMIS Hazard Symbol and Classification



Flammable
Liquid



Toxic

WHMIS Regulatory Status: Controlled Product

WHMIS Classification: B, D

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): All components of this product are listed on the Domestic Substances List.

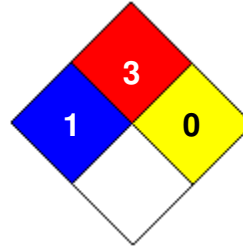
16. Other information

Date Prepared: 07/23/2024

HMIS rating

Health		1
Flammability		3
Physical hazard		0
Personal protection	X	

NFPA codes



HMIS ratings notes: (X) - site specific

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