

Safety Data Sheet (SDS)

Product Code: Cross-link 2K Re-Kote



Date: 2/11/2025

Section I – Company and Product Identification

Product Code: Cross-link 2K Re-Kote

Manufacturer:

Pro Dyes International
310 4th Street West
Zeeland, ND 58581
Ph: 701-851-0023

Product is intended for
professional use only

Emergency Contact:

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)Product

Code Cross-Link 2K Re-Kote

Section II – Hazards Identification

GHS CLASSIFICATION:

GHS Category of Classification:

Flammable Liquid	2
Skin Corrosion/Irritation	2
Organ Toxin—Single Exposure	1
Organ Toxin—Repeated Exposure	2
Eye Corrosion/Irritation/Damage	2A
Oral Toxin	3
Respiratory Sensitizer	1
Skin Sensitizer	1
Eye Irritation	2
Acute Toxicity (oral)	4

GHS HAZARDS DATA:

SIGNAL WORD: Danger



GHS HAZARDS:

Highly flammable liquid and vapor
Harmful if inhaled
Harmful if swallowed
Causes damage to organs
Causes eye irritation
Causes skin irritation
May cause drowsiness and or dizziness
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause damage to organs through prolonged or repeated exposure
Harmful to aquatic life

GHS PRECAUTIONS:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Do not handle until safety precautions have been read and understood
Keep away from heat/hot surfaces, sparks/open flames/other ignition sources-No smoking
Keep container tightly closed
Keep cool
Use explosion-proof electrical, ventilating, lighting and motorized equipment
Take precautionary measures against static discharge
Do not breathe dust/mist/vapors or spray
Wash contacted skin thoroughly after handling
Do not eat/drink, or smoke when using this product
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves/clothing, eye protection, face and respiratory protection
IF SWALLOWED: Immediately call a poison center and/or contact a physician.
IF ON SKIN: Wash with plenty of soap and water. If irritation persists, contact a physician. If on clothes, immediately remove clothing.
IF INHALED: Immediately go to an area to get fresh air. Use product either outdoors or in a sufficiently ventilated area.
IF IN EYES: Rinse and flush out with plenty of water. If wearing lenses, removes and immediately flush with water. Continue rinsing. Contact a physician if irritation continues.
IF EXPOSED: Contact a poison center.
In case of fire: Use dry chemical, CO₂, foam or water fog to extinguish.
Store in a well ventilated place. Keep container tightly closed.
Dispose contents and container in accordance with international, national, and local regulations

Section III – Composition/Information

CAS No.	Chemical Name	Composition	Vapor Pressure(mmHg)
98-56-6	Parachlorobenzotrifluor	10-20%	7.8@20°C
141-78-6	Ethyl Acetate	0-10%	73@20°C
67-64-1	2-Propanone	0-10%	187.5@20°C
123-86-4	n-Butyl Acetate	0-10%	7.8@20°C
110-43-0	2-Heptanone	0-10%	2.2@20°C
64742-95-6	Solvent Naphtha,light aromatic	0-10%	32@25°C
763-69-9	Ethyl-3-Ethoxypropionate	0-10%	1.8@25°C
28182-81-2	Hexane, 1,6-Diisocyanato-	70-80%	1.3@20°C

Section IV – First Aid Measures

Seek immediate medical attention for any over-exposure or symptoms obtained from this product. Product is intended for professional use only.

SKIN CONTACT- May cause skin irritation and/or dermatitis. Take off all contaminated clothing, rinse affected areas immediately with plenty of soap and water. Contact a physician if problems or irritation continues.

EYE CONTACT- May cause irritation or burning of the eyes. Flush out continuously with plenty of water for at least 10 minutes. Hold eye lids opens and continue rinsing throughout flushing of the eyes. Contact a physician if irritation or burning continues.

INHALATION- May cause headache, confusion, unconsciousness, nausea, and/or dizziness. May cause nose and throat irritation. May cause unconsciousness, fatigue, drowsiness, and/or vertigo. May cause fetal harm in ways including reduction in fetal weight, increase in fetal deaths and skeletal abnormalities. Remove person to fresh air and keep comfortable for breathing. If breathing difficulty continues, contact a physician.

INGESTION- May cause gastrointestinal distress. Do not induce vomiting. Contact a physician immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

May cause nervous system depression. Prolonged overexposure to solvents has been reported to cause permanent brain and nervous system damage. Headaches, dizziness, loss of coordination, confusion and loss of breath should be identified as important acute symptoms.

Section V – Fire Safety/Fighting Measures

Appropriate Extinguishing Media:

Dry chemical, carbon dioxide and chemical foam , or water fog.

Inappropriate Extinguishing Media:

High Volume Water Jets.

Special Firefighting Procedures:

Water spray to cool containers. If this material is involved in a fire.

NIOSH approved self-contained breathing apparatus should be worn.

Highly toxic fumes may be generated by thermal decomposition. Dike and collect all water used.

Proper firefighting equipment should be used.

Minimize skin exposure.

Avoid spill leakage into drains or public water access.

Fire & Explosion Hazards:

Flammable liquid. Vapor/air mixture will burn when an ignition source is present.

Vapors are heavy, may concentrate at lower levels creating hazard. Keep containers closed.

Vapor may move to source of ignition.

At high temperatures containers may burst.

Potential Combustion By-Products:

CO₂, CO, formaldehyde and other Carbon by-products from the reactivity of solvents, smoke, oxides of metals reported in material composition.

Combustion Generates toxic fumes.

Flammability Class: Highly flammable

Flash point: 15°F

LEL: None Determined

Section VI – Accidental Release Measures

Procedures/Methods for Cleaning Spills

Avoid breathing in vapors or mists. Obtain proper ventilation. Remove sources of ignition. Avoid skin or eye contact with vapor.

Wear a NIOSH approved respirator, suitable eyes protection and protective clothing. Evacuate unauthorized personnel from the area of the spill. Prevent vapor accumulation and confine spill with an inert absorbent. Clean with a detergent.

Allow solvents to evaporate.

Environmental Precautions

Avoid products from entering drains or public waterways.

Section VII – Handling and Storage

PERSONAL PROTECTIVE EQUIPMENT:

Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.



Eye protection: Tightly sealed goggles.

Safe Handling Instructions:

Read all warnings on label. Vapors may cause flash fire; Keep away from heat, sparks, flame and all other possible sources of ignition. Close container after each use. Do not store above 50°C. Avoid build-up of materials with gentle sweeping or vacuuming. Avoid possibilities of electrostatic discharge. Use in ventilated areas. Do not store in different containers and do not use pressure to empty containers.

Storage Procedures:

Always close the container tightly. Keep away from all combustible sources. Store in a dry and ventilated area. Keep away from direct sunlight. Keep away from strong alkaline and acidic materials. Do not store with oxidizing agents.

Section VIII – Exposure Controls/Personal Protection

CAS-#	CHEMICAL	ACGIH/TLV(ppm)	OSHA/PEL(ppm)
98-56-6	Parachlorobenzotrifluoride	N/A	N/A
141-78-6	Ethyl Acetate	400	400
67-64-1	2-Propanone	500	1000
123-86-4	n-Butyl Acetate	150	150
110-43-0	2-Heptanone	50	100
763-69-9	Ethyl-3-ethoxypropionate	100	100
64742-95-6	Solvent Naphtha, light aromatic	N/A	N/A
28182-81-2	Hexane, 1,6-Diisocyanato-Homopolymr	N/A	N/A

PERSONAL PROTECTIVE EQUIPMENT:

BREATHING EQUIPMENT:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

RESPIRATORY PROTECTION: Use a MSHA/NIOSH approved cartridge respirator.

VENTILATION: Adequate to keep exposure limits below recommended. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES: Polyvinyl gloves and apron.

EYE PROTECTION: Chemical splash goggles(ANSI Z 87.1 or approved equivalent.), Safety glasses.

OTHER PROTECTIVE EQUIPMENT: wear protective clothing to prevent contact with product.

Section IX-Physical and Chemical Properties

Appearance: Clear, viscous organic smelling liquid

Evaporation Rate	Slower than n-butyl acetate	VOC Material(g/L)	191-204
Flash Point	15°F	VOC Coating(g/L)	240-246
Viscosity (#2 Z)	18 seconds	VOC (lbs./gal)	2.00-2.05
Specific Gravity	~1.07-1.09	% Weight VOC	0-10%
Density (lb./gal)	8.92-9.11	% Weight Exempt VOC	10-20%
Percent Volatiles by Weight	20-30%	Solubility	Hydrophobic, water insoluble
Percent Solids by Weight	70-80%	pH	Not applicable

Section X – Stability and Reactivity

STABILITY: () Unstable (**X**) Stable

HAZARDOUS POLYMERIZATION: () May occur, (**X**) Will not occur

INCOMPATIBILITY: Oxidizing agents, strong alkaline and acidic products, high temperatures.

CONDITIONS TO AVOID: Excessive heat and freezing temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, Carbon by-products, smoke, oxides from Nitrogen, oxides from Sulfur and Phosphorous.

STEPS TO BE TAKEN IN CASE MATERIAL RELEASED OR SPILLED: Confine as much as possible. Dike and absorb with inert material such as vermiculite. Remove from ignition sources, ventilate area and vacate area. Allow solvents to evaporate.

WASTE DISPOSAL METHOD: Dispose of waste in accordance with all Federal, State, and Local ordinances.

Section XI – Toxicological Information

ROUTES TO ENTRY:

Dermal Contact, Inhalation, Eye Contact, Ingestion

Chemical Toxicological Information

CAS No.	Chemical Name	LD50(mg/kg)*
98-56-6	Parachlorobenzotrifluoride	8700
141-78-6	Ethyl Acetate	11300
67-64-1	2-Propanone	3000
123-86-4	n-Butyl Acetate	10768
110-43-0	2-Heptanone	1600
84-74-2	Ethyl-3-Ethoxypropionate	3600
64742-95-6	Solvent Naphtha, light aromatic	1942
28182-81-2	Hexane, 1,6-Diisocyanato-Homopolymer	N/A

***All LD50 results are the oral toxicity LD50 of a rat.**

TARGET ORGANS:

Eyes, Lungs, Liver, Skin, Peripheral and Central Nervous System, Kidneys, Reproductive Organs, Respiratory System, Other

ACUTE EFFECTS: Single Exposure

Dermal Contact: Irritation, redness, burning sensation on skin. May cause inflammation.

Inhalation: Headaches, loss of coordination, dizziness, fatigue, respiratory tract irritation, vomiting, and labored breathing.

Eye: Tearing, redness, blurry vision, impairment of vision.

Ingestion: Vomiting, nausea, and gastrointestinal discomfort.

CHRONIC EFFECTS: Repeated Exposure

Repeated exposure may cause Talc pneumoconiosis.

Some of these substances are known to cause damage to the central nervous system, liver, and kidneys.

May cause severe lung damage.

May cause dry skin, rash, sensitization and allergy.

May cause dryness and cracking of skin.

May cause damage to the respiratory system.

Section XII – Ecological Information

No data is available for ecological information and testing for this product.

Section XIII-Disposal Considerations

Product should be disposed of in accordance with federal, state, regional and local regulations. Do not allow product to enter drains or public waterways.

Section XIV-Transport Information

SHIPPING INFORMATION:

USDOT SHIPPING NAME: PAINT FLAMMABLE LIQUID
USDOT HAZARD CLASS: 3 Flammable Liquid
USDOT PACKING GROUP: II
USDOT LABELS REQUIRED: DOT LABELS REQUIRED - UN 1263
FREIGHT DESCRIPTION (DOT, ADR, IMDG, IATA): PG III
Environmental Hazards or Marine Pollutant: No

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear gloves, goggles and protective clothing to prevent contact with product. Store material at temperatures between 49 C/120~ F and 2 C/36~F. Do not store containers in direct sunlight.

Empty containers should be reconditioned by certified firms (drums, pails). Sale of empty containers should be in accordance with applicable laws and regulations.

Section XV- Regulatory Information

US Regulations:

US TSCA: All components in this product are listed on the US TSCA Inventory Requirements or is exempt from reporting requirements.

California Proposition 65-(State Drinking Water & Toxic Environment Act)

Warning: This product contains chemicals that are known to the State of California to cause cancer, developmental and/or birth defects.

CAS No.	Chemical Name	Composition
67-4-1	2-Propanone	0-10%
28182-81-2	Hexane, 1,6-Diisocyanato-Homopolymer	70-80%

SARA(Superfund Amendments and Reauthorization Act)

The following are reportable in the SARA act of 1986.

CAS No.	Chemical Name	SARA 313 Required
----------------	----------------------	--------------------------

98-56-6	Parachlorobenzotrifluoride	NO
141-78-6	Ethyl Acetate	NO
67-64-1	2-Propanone	YES
123-86-4	n-Butyl Acetate	NO
110-43-0	2-Heptanone	NO
64742-95-6	Solvent Naphtha, light aromatic	NO
763-69-9	Ethyl-3-Ethoxypropionate	YES
28182-81-2	Hexane, 1,6-Diisocyanato-Homopolymer	YES

Canada Regulations

DSL- All of the components in this product are listed on the Canadian Domestic Substance List or are not required to list.

Product is photochemically reactive.

Section XVI- Other Information

HMIS Ratings

Fire: 3

Reactivity: 0

Health: 2

Personal Protection: 0

-OTHER PRECAUTIONS: Neither this data sheet or any statement contained herein grants or extends any license, expressly implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, express or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee, the vendee's employees, or anyone for any direct special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.