Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Item Number: 42286 – 2 oz. Container
42284 – Quart Container
42285 – Gallon Container

Product Name: Padding Adhesive

Recommended use and restrictions on use: For fan-out padding of carbonless paper.

Supplier: Nekoosa Coated Products LLC
841 Market Street
Nekoosa, WI 54457 USA
Non-emergency phone 1-800-826-4886

Emergency Phone Number: For Chemical Emergency – Spill, Leak, Fire, Exposure or Accident Call CHEMTREC Day or Night
DOMESTIC NORTH AMERICA: 1-800-424-9300
INTERNATIONAL: CALL 703-527-3887 (Collect Calls Accepted)

2. HAZARDS IDENTIFICATION

Hazard Classification(s): **Category 2 Flammable Liquid**
Category 4 Acute toxicity – oral
Category 2 - Eye irritant

Precautionary Statement(s): **Danger - Highly flammable liquid or vapor**
Warning - Harmful if swallowed
Warning - Causes eye irritation

Other Hazards: **None known**

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical	Common name/synonyms	CAS Number	% Range
Water		7732-18-5	40 - 65
Acrylic Polymer Latex		Proprietary	25 - 40
Ethyl Alcohol	Ethanol	64-17-5	10 - 25
Isopropyl Alcohol	Isopropanol	67-63-0	1 - 5
Polyhydric Alcohol	D-Sorbitol	50-70-4	1 - 5

4. FIRST AID

Eyes: 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 advice/attention.
Skin Contact:	Flush skin with large amounts of water. If irritation persists, get medical attention.
Ingestion:	Drink two glasses of water. Call a physician.
Inhalation:	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
Symptoms/Effects:	**Eye:** Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing. **Skin:** Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching. **Ingestion:** Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces. **Inhalation:** No adverse health effects are expected from inhalation exposure.
Immediate Medical Attention or Special Treatment Needed:	See above

5. FIRE FIGHTING MEASURES

NFPA HAZARD CODES:	**HEALTH:**	1
	FIRE:	3
	REACTIVITY:	0

OSHA FIRE HAZARD CLASS:	Category 2 Flammable Liquid
Suitable Extinguishing Media:	Carbon dioxide, foam, dry chemical.
Special Hazards /Hazardous Combustion Products:	Not determined
Special protective equipment and precautions for firefighters:	Not determined

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Refer to other sections of the SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
Environmental precautions:	Not determined
Methods and materials for containment and cleaning up:	Ventilate area. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue. Place in an approved metal container and seal.

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Combustible liquid and vapor. Avoid contact with water. No smoking while handling

Conditions for safe storage:

Store in a cool place. Keep container dry. Keep container in well-ventilated area.

Storage incompatibilities:

Store away from acids. Store away from heat.

Incompatibilities: Strong oxidizers, potassium dioxide, bromine pentafluoride, acetyl bromide, acetyl chloride, platinum, sodium, peroxides, polymerizers, strong alkalis, moisture, chlorosulfonic acid

8. EXPOSURECONTROLS / PERSONAL PROTECTION

Exposure Limit Values:

ACGIH Exposure Limits:
Ethyl Alcohol (Ethanol) TWA 1000 ppm
Ethyl Alcohol (Ethanol) TWA 1880 mg/m^3

Isopropyl Alcohol TWA 200 ppm
Isopropyl Alcohol TWA 493 mg/m^3
Isopropyl Alcohol STEL 400 ppm
Isopropyl Alcohol STEL 980 mg/m^3

OSHA Exposure Limits:
Ethyl Alcohol (Ethanol) TWA 1000 PPM
Ethyl Alcohol (Ethanol) TWA 1900 mg/m^3

Isopropyl Alcohol TWA 400 ppm
Isopropyl Alcohol TWA 980 mg/m^3
Isopropyl Alcohol STEL 500 ppm
Isopropyl Alcohol STEL 1225 mg/m^3

Appropriate engineering controls:

Provide sufficient ventilation to maintain emissions below Recommended exposure limits.

Personal protective equipment:

Eye protection:
Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.
Skin protection:
Wear appropriate gloves when handling this material. Gloves made from the following materials(s) are recommended: Butyl rubber, fluoroelastomer (Viton). Use one or more of the following personal protection items as necessary to prevent skin contact: apron, protective garments made of similar compatible material.
Respiratory protection:
Normal work and hygiene practices for handling flammable liquid material.

9. Physical and chemical properties

Appearance: Emulsion milky white

Odor: Slight alcohol odor

Odor threshold:	Not measured
pH	3 - 5
Melting/Freezing point	Not measured
Boiling point/Boiling point range:	185 F
Flash point	72 °F (closed cup)
Evaporation rate	<1 (Toluene = 1)
Flammability:	Not measured
Upper/lower flammability or explosive limits:	Not measured
Vapor pressure:	VP of VOC @ 20 C ca. 3.8 mmHg
Vapor density	Not measured
Relative density:	Not measured
Solubility(ies)	Not measured
Partition coefficient: n-octanol/water	Not measured
Autoignition temperature	Not measured
Decomposition temperature	Not measured
Viscosity	3 – 9 Centipoise

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Possible hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Keep away from heat, sparks, open flame, hot surfaces – No smoking
Incompatible materials	Not determined
Hazardous decomposition products	May form toxic materials: carbon dioxide and carbon monoxide, various hydrocarbons, etc.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Category 4

Values:
Ethanol
Oral, mouse: LD50 = 3,450 mg/kg;
Oral, rabbit: LD50 = 6,300 mg/kg;
Oral, rat: LD50 = 9,000 mg/kg;
Oral, rat: LD50 = 7,060 mg/kg;

Polyhydric alcohol
15,900 mg/kg oral rat LD50

Isopropanol
Inhalation, mouse: LC50 = 53,000 mg/m3;
Inhalation, rat: LC50 = 16,000 ppm/8H;
Inhalation, rat: LC50 = 72,600 mg/m3;
Oral, mouse: LD50 = 3,600 mg/kg;
Oral, mouse: LD50 = 3,600 mg/kg;
Oral, rabbit: LD50 = 6,410 mg/kg;
Oral, rat: LD50 = 5,045 mg/kg;
Oral, rat: LD50 = 5,000 mg/kg;
Skin, rabbit: LD50 = 12,800 mg/kg

Estimated that 25-40% of the mixture consists of ingredient(s) of unknown toxicity.

Chronic toxicity: None known

Delayed effects: None known

Immediate effects: See Section 4

Carcinogenetic: Does not contain chemicals listed as potential carcinogen in National Toxicology Program (NTP) Report on Carcinogens (latest edition), International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

Symptoms See Section 4

Eye effects: Eye irritant -Category 2
Ethanol
Draize test, rabbit, eye: 500 mg Severe;
Draize test, rabbit, eye: 500 mg/24H Mild;

Isopropanol
Draize test, rabbit, eye: 100 mg Severe;
Draize test, rabbit, eye: 10 mg Moderate;
Draize test, rabbit, eye: 100 mg/24H Moderate;

Skin effects: See Section 4
Ethanol
Draize test, rabbit, skin: 20 mg/24H Moderate;

Isopropanol
Draize test, rabbit, skin: 500 mg Mild;

Ingestion effects: See Section 4

Other symptoms: See Section 4

12. ECOLOGICAL INFORMATION

Ecotoxicity: Isopropyl Alcohol
Fish:
Rainbow trout: 96-hr LC50 = 12,900-15,300 mg/L;
Rainbow trout fingerling: 24-hr LC50 = 11,200 mg/L

	Algae: Phytobacterium phosphoreum: 5-30 min EC50 = 34,900 mg/L
Persistence and degradability:	Not measured
Bioaccumulative potential:	Not measured
Mobility in soil:	Not measured
Other adverse effects	None known

13. DISPOSAL CONSIDERATIONS

Description of waste residues:	U.S. EPA Hazardous Waste Number: D001 (Ignitable)
Safe handling as waste:	Refer to Section 7. Handling and Storage
Methods of disposal:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.
Disposal of contaminated packaging:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity.

14. TRANSPORTATION INFORMATION

UN number:	UN1133
UN proper shipping name:	Adhesive
Transport Hazard class(es):	3
Packing group:	II
Marine pollutant (Yes/No)	No
Special precautions for transport or conveyance:	For all transportation accidents, Call CHEMTREC at 800-424-9300

15. REGULATORY INFORMATION

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQ :	This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.
CERCLA/SARA - Section 311/312 (Title III Hazard Categories)	Acute Health: Yes Chronic Health: No Fire Hazard: Yes Pressure Hazard: No Reactive Hazard: No

CERCLA/SARA - Section 313:	This material contains any chemicals that may be subject to the reporting requirements of SARA 313 and 40 CFR 372: Isopropyl Alcohol (CAS 67-63-0)
Clean Air Act:	Volatile Organic Compounds: approximately 210 g/L VOC Less H20 & Exempt Solvents: approximately 565 g/L
TSCA:	All components are either listed on the US TSCA Inventory, or are not regulated under TSCA
WHMIS Classification (Canada)	All constituents are on DSL
California Proposition 65:	This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

16. ADDITIONAL INFORMATION

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. NEKOOSA COATED PRODUCTS LLC MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Nekoosa Coated Products LLC product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of an Nekoosa Coated Products LLC product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Nekoosa Coated Products LLC product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.