



## Safety Data Sheet

Material Name: Fan-Apart Adhesive

SDS ID: 3100-015

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**Material Name**

Fan-Apart Adhesive

**Synonyms**

Edge Padding Adhesive Padding Compound NEO-1

**Product Description**

Aqueous adhesive solution

**Product Use**

Fan-Apart Adhesive for Carbonless Paper

**Restrictions on Use**

None known.

**Details of the supplier of the safety data sheet**

Pixelle Specialty Solutions LLC  
232 East 8th Street  
Chillicothe, Ohio 45601

Phone: 740-772-3111

Emergency Phone #: 800-424-9300 CHEMTREC®

**General Comments**

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

### Section 2 - HAZARDS IDENTIFICATION

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Specific Target Organ Toxicity - Repeated Exposure - Category 1 ( liver )

Specific Target Organ Toxicity - Repeated Exposure - Category 2 ( nervous system , Central Nervous System )

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

Causes damage to organs through prolonged or repeated exposure.

May cause damage to organs through prolonged or repeated exposure.



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### Precautionary Statement(s)

#### Prevention

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

#### Response

Get medical advice/attention if you feel unwell.

#### Storage

None needed according to classification criteria.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
7732-18-5	Water	40-55
Not Available	Additives	15-35
57-55-6	1,2-Propylene glycol	15-20
64-17-5	Ethyl alcohol	1-10

The chemical identity and/or percentage of composition is being withheld as a trade secret.

### Section 4 - FIRST AID MEASURES

#### Inhalation

If adverse effects occur, remove to uncontaminated area. Get immediate medical attention.

#### Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. If irritation or rash persists, get medical attention.

#### Eyes

Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists, get medical advice/attention.

#### Ingestion

If swallowed, get medical attention. Do NOT induce vomiting.

#### Most Important Symptoms/Effects

##### Acute

May cause respiratory tract irritation and eye irritation.

##### Delayed

Causes damage to liver through prolonged or repeated exposure. Repeated or prolonged exposure may cause central nervous system damage.

#### Antidote

Treat symptomatically and supportively.



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### Section 5 - FIRE FIGHTING MEASURES

#### Extinguishing Media

##### Suitable Extinguishing Media

For fires involving this product, use an extinguisher which is appropriate for combustibles and surrounding classes of fires. Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

##### Unsuitable Extinguishing Media

Water may be an ineffective extinguishing medium but should be used to cool fire-exposed containers.

##### Special Hazards Arising from the Chemical

Product does not sustain combustion.

##### Hazardous Combustion Products

Hazardous decomposition products include black smoke and toxic fumes of carbon dioxide and carbon monoxide.

##### Advice for firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

##### Fire Fighting Measures

Keep unnecessary people away, isolate hazard area and deny entry. Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Do not scatter spilled material with extinguishing agent. Dike for later disposal. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

### Section 6 - ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

#### Methods and Materials for Containment and Cleaning Up

Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Stop leak if possible without personal risk. Absorb spill with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

#### Environmental Precautions

Avoid release to the environment.

### Section 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Do not eat, drink, or smoke when using this product. Avoid prolonged or repeated contact with skin or eyes. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Avoid release to the environment.

#### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

Keep container closed when not in use. Store in a cool, dry area away from incompatible materials. See Section 10. Avoid exposure to low temperatures or freezing.

#### Incompatible Materials

Acids, bases, combustible materials, halocarbons, metals, metal salts, oxidizing materials, halogens, metal oxides, peroxides, ammonia, acid anhydrides



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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component Exposure Limits

Ethyl alcohol	64-17-5
ACGIH:	1000 ppm STEL
NIOSH:	1000 ppm TWA ; 1900 mg/m3 TWA
	3300 ppm IDLH (10% LEL )
OSHA (US):	1000 ppm TWA ; 1900 mg/m3 TWA
Mexico:	1000 ppm TWA VLE-PPT ; 1900 mg/m3 TWA VLE-PPT

#### EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures

There are no biological limit values for any of this product's components.

#### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

#### Individual Protection Measures, such as Personal Protective Equipment

##### Eye/face protection

Wear safety glasses with side shields.

##### Skin Protection

Wear protective clothing to prevent contact.

##### Respiratory Protection

If airborne contaminant levels may exceed recommended exposure limits, NIOSH approved respiratory protection appropriate for employee exposure levels is recommended.

##### Glove Recommendations

Wear protective gloves.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	milky white liquid	Physical State	liquid
Odor	Slight odor	Color	milky white
Odor Threshold	Not available	pH	5.06
Melting Point	Not available	Boiling Point	98 °C (208 °F )
Boiling Point Range	Not available	Freezing point	Not available
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	>97.8 °C Pensky-Martens Closed Cup (>208 °F )



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<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	>1
<b>Water Solubility</b>	(dispersible )	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	Not available	<b>Physical Form</b>	liquid
<b>Volatility</b>	80 - 90 %	<b>Molecular Weight</b>	Not available
<b>OSHA Flammability Class</b>	Not Classified		

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**

No reactivity hazard is expected.

**Chemical Stability**

Product is stable under normal conditions of use and storage. May decompose exothermically at elevated temperatures.

**Possibility of Hazardous Reactions**

Will not occur.

**Conditions to Avoid**

Avoid exposure to very high temperatures, pressure, shock.

**Incompatible Materials**

Acids, bases, combustible materials, halocarbons, metals, metal salts, oxidizing materials, reducing agents, halogens, metal oxides, peroxides, ammonia, acid anhydrides

**Hazardous decomposition products**

Hazardous decomposition products include black smoke and toxic fumes of carbon dioxide and carbon monoxide.

### Section 11 - TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Inhalation**

Nausea, headache, irritation, difficulty breathing, drowsiness, dizziness, loss of coordination, fatigue, tremors, cancer, reproductive effects

**Skin Contact**

Allergic reactions, nausea, headache, drowsiness, dizziness, loss of coordination

**Eye Contact**

Irritation, eye damage



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### Ingestion

Allergic reactions, skin disorders, vomiting, stomach pain, headache, drowsiness, dizziness, loss of coordination, Unconsciousness, changes in body temperature, changes in blood pressure, nausea, difficulty breathing, irregular heartbeat, disorientation, difficulty speaking, mood swings, visual disturbances, dilated pupils, convulsions, coma, diarrhea, loss of appetite, weight loss, pain in extremities, tremors, heart damage, kidney damage, liver damage, brain damage, central nervous system damage

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

#### 1,2-Propylene glycol (57-55-6)

Oral LD50 Rat 20 g/kg

Dermal LD50 Rabbit 20800 mg/kg

#### Ethyl alcohol (64-17-5)

Oral LD50 Rat 7060 mg/kg

Inhalation LC50 Rat 124.7 mg/L 4 h

### Product Toxicity Data

#### Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Inhalation - Vapor	> 20 mg/L
Oral	> 2000 mg/kg

### Immediate Effects

May cause respiratory tract irritation and eye irritation.

### Delayed Effects

Causes damage to liver through prolonged or repeated exposure.

### Irritation/Corrosivity Data

Primary Skin Irritation Score: 0.17 (rabbit, maximum).

Primary Skin Irritation Index: 0.04.

Based on test results this product would not be considered a dermal irritant.

### Respiratory Sensitization

No data available.

### Dermal Sensitization

Based on a dermal sensitization study, this product was not found to be a dermal sensitizer.

### Component Carcinogenicity

Ethyl alcohol	64-17-5
ACGIH:	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
IARC:	Monograph 100E [2012] (in alcoholic beverages ); Monograph 96 [2010] (in alcoholic beverages ) (Group 1 (carcinogenic to humans))



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DFG:	Category 5 (low carcinogenic potency )
OSHA:	Present

### Germ Cell Mutagenicity

No data available.

### Tumorigenic Data

No data available

### Reproductive Toxicity

No data available.

### Specific Target Organ Toxicity - Single Exposure

No target organs identified.

### Specific Target Organ Toxicity - Repeated Exposure

Liver, central nervous system

### Aspiration hazard

No data available.

### Medical Conditions Aggravated by Exposure

No data available.

### Additional Data

No additional information is available.

## Section 12 - ECOLOGICAL INFORMATION

### Component Analysis - Aquatic Toxicity

<b>1,2-Propylene glycol</b>	<b>57-55-6</b>
Fish:	LC50 96 h Oncorhynchus mykiss 51600 mg/L [static ]; LC50 96 h Oncorhynchus mykiss 41 - 47 mL/L [static ]; LC50 96 h Pimephales promelas 51400 mg/L [static ]; LC50 96 h Pimephales promelas 710 mg/L
Algae:	EC50 96 h Pseudokirchneriella subcapitata 19000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna >1000 mg/L [Static ] EPA
<b>Ethyl alcohol</b>	<b>64-17-5</b>
Fish:	LC50 96 h Oncorhynchus mykiss 12 - 16 mL/L [static ]; LC50 96 h Pimephales promelas >100 mg/L [static ]; LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through ]
Invertebrate:	LC50 48 h Daphnia magna 9268 - 14221 mg/L IUCLID ; EC50 48 h Daphnia magna 2 mg/L [Static ] EPA

### Persistence and Degradability

No information available for the product.

### Bioaccumulative Potential

No information available for the product.



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### Mobility

No information available for the product.

### Other Toxicity

No data available.

## Section 13 - DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components

## Section 14 - TRANSPORT INFORMATION

**US DOT Information:** Not a regulated hazardous material

**IATA Information:** Not a regulated hazardous material

**IMDG Information:** Not a regulated hazardous material

**TDG Information:** Not a regulated dangerous material

## Section 15 - REGULATORY INFORMATION

### U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

### SARA Section 311/312 (40 CFR 370 Subparts B and C) 2017 reporting categories

Specific Target Organ Toxicity

### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
1,2-Propylene glycol	57-55-6	No	No	Yes	Yes	Yes
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Ethyl alcohol	64-17-5
Carc:	carcinogen , 4/29/2011 (in alcoholic beverages )





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Repro/Dev. Tox	developmental toxicity , 10/1/1987 (in alcoholic beverages )
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**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

<b>1,2-Propylene glycol</b>	<b>57-55-6</b>
	1 %
<b>Ethyl alcohol</b>	<b>64-17-5</b>
	0.1 %

**Component Analysis - Inventory Water (7732-18-5)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes

**1,2-Propylene glycol (57-55-6)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes

**Ethyl alcohol (64-17-5)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes

**Section 16 - OTHER INFORMATION**

**HMIS Rating**

Health: 1\* Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard



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### **NFPA Ratings**

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### **Summary of Changes**

Updated: 11/01/2018

### **Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; NDSL - Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

### **Other Information**

#### **Disclaimer:**

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.



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