43301-1017

UIAA T SAFETY DATA SHEET

STA-SHARP ADHERING Fluid (version SS-NC) rev. ORIG 11-6-18 Page 1 of 11

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product Name: STA-SHARP adhering fluid SS-NC

Company: ULANO® CORPORATION

110 Third Avenue

Brooklyn, NY 11217

Phone: 718-237-4700 Fax: 718-802-1119

Emergency contact: 1-800-424-9300 (CHEMTREC)

MSDS prepared by: P. Drago

Recommended use: Solvent blend for film adhesion to screen fabric for screenprinting

2. HAZARD IDENTIFICATION OF THE PREPARATION

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 2
Skin irritation : Category 2
Eye irritation : Category 2A

Specific target organ tox: Category 3 (Central nervous system)

icity - single exposure

Aspiration hazard : Category 1

GHS Label element

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

Hazard pictograms :





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H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements: Prevention:

P210 Keep away from heat/sparks/open flames/hot

surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/

lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static

discharge.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/

spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ eye protection/ face

protection. Response:

P301 + P310 IF SWALLOWED: Immediately call a

POISON CENTER or doctor/ physician.

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

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P332 + P313 If skin irritation occurs: Get medical

advice/ attention.

P337 + P313 If eye irritation persists: Get medical

advice/ attention.

P362 Take off contaminated clothing and wash before

P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Storage:

P403 + P233 Store in a well-ventilated place. Keep

container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

Potential Health Effects

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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ACGIH No component of this product present at levels greater

than or equal to 0.1% is identified as a carcinogen or

potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater

than or equal to 0.1% is identified as a carcinogen or

potential carcinogen by OSHA.

NTP No component of this product present at levels greater

than or equal to 0.1% is identified as a known or antici-

pated carcinogen by NTP.

Emergency Overview

Physical state	liquid
Colour	Clear, Colorless
Hazard Summary	No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical Name	Concentration (%)
64742-49-0 /	Naphtha (pet), hydrotreated It AND/OR	30 - 50
426260-76-6 /	Heptane, branched, cyclic and linear	
64742-89-8	AND/OR Solvent naphtha (pet), lt aliph.	
67-63-0	Isopropyl alcohol	30 - 50
141-78-6	Ethyl acetate	20 - 30
142-82-5	Heptane	10 - 20
123-86-4	n-Butyl acetate	1 - 5

4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Symptoms of poisoning may appear several hours

later.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

If unconscious place in recovery position and seek

medical advice.

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In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious per-

son.

If symptoms persist, call a physician. Take victim immediately to hospital.

5. FIRE-FIGHTING MEASURES

Flammable: yes

Means of extinction: foam, dry powder, carbon dioxide

Unsuitable extinguishing media: Hard water stream

Flash point: 10.0-19.0°F (-12.2 to -17.2°C)

Upper flammable limit: 12.0%
Explosion data impact: Not known
Lower flammable limit: 1.1%

Explosion data static: above flashpoint yes

Hazardous combustion products: typical carbon oxygen compounds.

Autoignition temp: unknown

Fire fighters should wear SCBA for fighting fires in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

Do not empty into drains. Keep away sources of ignition. Ensure sufficient ventilation. Prevent unauthorized access. Collect with liquid absorbing material and proceed according to local waste disposal regulations.

7. HANDLING AND STORAGE

Keep container tightly closed and in a cool and well ventilated place.

Ensure adequate ventilation, especially when using a spray-gun.

Avoid contact with skin and eyes. Avoid flammable explosive air / vapor mixtures.

Prevent concentrations exceeding the exposure limits.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limit:

CAS#	Name	OSHA TWA	ACGIH TWA
141-78-6	Ethyl Acetate	400 ppm	400 ppm
142-82-5	Heptane	500 ppm	400 ppm
123-86-4	n-Butvl Acetate	150 ppm	150 ppm

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67-63-0 2-Propanol 400 ppm 400 ppm

Engineering controlsGeneral- not required

Local exhaust- recommended

Other- none

Personal Protection

Gloves- solvent impermeable recommended

Respirator- yes if local or general exhaust is not used

Eye- protective goggles recommended

Protective footwear- not required

Protective clothing- not required

Other-none

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
Color: colorless
Odor: solvent
Flash point: 10.0-19.0°F

Ignition temperature:
Density:
Viscosity:
Explosion limits:
Boiling point:
Vapour density:

n.a
0.79 g/cm³
unknown
1.1-12.0 Vol %
169°F (76° C)
>1(air=1)

Vapour pressure: 76 mm Hg @ 20°C Freezing point: not known pH: not applicable Coefficient of water/ oil distribution: not known

Volatile Organic Compounds: 790 GRAMS / LITER, 6.58 LBS / GAL

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions

(see Section 7).

Store as a flammable liquid

INCOMPATABILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

Effects of acute exposure:

COMPONENT	CAS#	LD ₅₀	LC ₅₀
Ethyl Acetate	141-78-6	5620 mg/kg oral, rat	1600 ppm inhalation 8 hour, rat
Heptane	142-82-5	No data	103 g/m³/4H, inhalation, rat
n-Butyl Acetate	123-86-4	10.8 g/kg, oral, rat	2000 ppm/4H inhalation, rat
2-Propanol	67-63-0	5045 mg/kg, oral, rat	16,000 ppm/8H inhalation, rat

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General information:

Effects of acute exposure: Repeated or prolonged contact causes local irritation of skin and

mucous membranes, particularly the eyes. Inhalation of high concentrations may cause nausea, dizziness, narcotic effect.

Irritancy of product- yes

Skin sensitization- none reported

Respiratory sensitization- none known

Carcinogenicity- no

IARC- 2-propanol is classified "3", not classifiable as to

carcinogenicity to humans.

ACGIH - no

Reproductive toxicity - none known none known Embryotoxicity - none known Mutagenicity - none known none known

Name of synergistic products/effects- none known

12. ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Do not empty into drains or release into open water.

Do not store at public waste disposal sites.

13. WASTE DISPOSAL INFORMATION

Dispose of as a flammable hazardous waste

Empty container: scrap metal recycling or re-conditioning

Soiled container: (treatment like product itself)

14. TRANSPORT INFORMATION

IATA (International Air Transport Association): UN1993, FLAMMABLE LIQUID, N.O.S., (HEPTANE, BRANCHED, CYCLIC AND LINEAR, ISOPROPYL ALCOHOL), 3, II, Flash Point:-9 °C(16 °F)

IMDG (International Maritime Dangerous Goods): UN1993, FLAMMABLE LIQUID, N.O.S., (HEPTANE, BRANCHED, CYCLIC AND LINEAR, ISOPROPYL ALCOHOL), 3, II, Marine Pollutant (HEPTANE, BRANCHED, CYCLIC AND LINEAR, TOLUENE)

DOT (Department of Transportation): UN1993, Flammable liquids, n.o.s., (HEPTANE, BRANCHED, CYCLIC AND LINEAR, ISOPROPYL ALCOHOL), 3, II

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15. REGULATORY INFORMATION

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Flammable liquid, Specific target organ toxicity -

single exposure, Moderate skin irritant, Moderate eye

irritant, Aspiration hazard

WHMIS Classification : B2: Flammable liquid

D2B: Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Ethyl acetate	141-78-6	5000	*

^{*:} Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 : Fire Hazard

Hazards Immediate (Acute) Health Hazard

SARA 302 : No chemicals in this material are subject to the

reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical compo-

nents with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by

SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

67-63-0 Isopropyl alcohol 30.3 %

141-78-6 Ethyl acetate 27.7 %

123-86-4 n-Butyl acetate 3.6 %

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

123-86-4	n-Butyl acetate	3.6 %
108-88-3	**Toluene	0.0383 %
71-43-2	**Benzene	0.0003 %
100-41-4	**Ethylhonzono	0.0003 %

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Section 311, Table 11 123-86-4 108-88-3	n-Butyl acetate **Toluene	3.6 % 0.0383 %	er Act,
71-43-2 100-41-4	**Benzene **Ethylbenzene	0.0003 % 0.0003 %	
91-20-3	**Naphthalene	0.0003 %	
This product does not Act Section 307	contain any toxic pollutan	ts listed under the U.S.	. Clean Water
US State Regulation	ıs		
Massachusetts Righ	t To Know		
67-63-		1	30 - 50 %
141-78			20 - 30 %
142-82	•		10 - 20 %
123-86	5-4 n-Butyl acetate		1 - 5 %
71-43-	2 **Benzene		0 - 0.1 %
Pennsylvania Right	To Know		
64742-	-49-0 / Naphtha (pet), hyd D-76-6 AND/OR Heptane, l 64742-89-8 and linear AN naphtha (pet), lt aliph.	branched, cyclic /	30 - 50 %
67-63-			30 - 50 %
141-78	3-6 Ethyl acetate		20 - 30 %
142-82	2-5 Heptane		10 - 20 %
123-86	5-4 n-Butyl acetate		1 - 5 %
108-88	3-3 **Toluene		0 - 0.1 %
New Jersey Right To	o Know		
64742- 426260	-49-0 / Naphtha (pet), hyd 0-76-6 AND/OR Heptane, l 64742-89-8 and linear AN naphtha (pet), lt aliph.	branched, cyclic /	30 - 50 %
67-63-			30 - 50 %
141-78			20 - 30 %
142-82	2-5 Heptane		10 - 20 %
123-86	5-4 n-Butyl acetate		1 - 5 %
California Prop 65		roduct contains a chem ornia to cause cancer.	ical known to
98-82-	8 **Cumene		
71-43-			
100-41 91-20-	3 **Naphthalene WARNING! This p	roduct contains a chem ornia to cause birth defe	
108-88 71-43-	3-3 ** [†] Toluene	••	

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United States TSCA Inventory	:	y (positive listing) (On TSCA Inventory)
Canadian Domestic Substances List (DSL)	:	y (positive listing) (All components of this product are on the Canadian DSL.)
Australia Inventory of Chemical Substances (AICS)	:	n (Negative listing) (Not in compliance with the inventory)
New Zealand. Inventory of Chemical Substances	:	n (Negative listing) (Not in compliance with the inventory)
Japan. ENCS - Existing and New Chemical Substances Inventory	:	n (Negative listing) (Not in compliance with the inventory)
Korea. Korean Existing Chemicals Inventory (KECI)	:	n (Negative listing) (Not in compliance with the inventory)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	:	y (positive listing) (On the inventory, or in compliance with the inventory)
China. Inventory of Existing Chemical Substances in China (IECSC)	:	n (Negative listing) (Not in compliance with the inventory)

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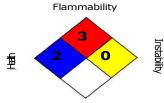


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Special Notes: : ** Other substances in the product which may present a health or environmental hazard.

SECTION 16. OTHER INFORMATIONFurther information

NFPA:



Special hazard.

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 =Extreme, * = Chronic

16. OTHER INFORMATION

ACGIH	American Conference of Gov- ernment	LD50	Lethal Dose 50%
	Industrial Hygienists		
AICS	Australia, Inventory of Chem- ical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substanc- es List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Sub- stances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health Admin-
	Scenario Tool		istration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Exist- ing	PICCS	Philipines Inventory of Commercial Chemical
	Chemical Substances		Substances
MAK	Germany Maximum Concen- tration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Re- search on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemi- cal Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical In- ventory	UVCB	Unknown or Variable Compositon, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information
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LC50	Lethal Concentration 50%

For further information please refer to our technical information sheet. Data in this MSDS correspond with our current level of knowledge, but do not represent any assurance of product properties. The user personally is responsible for compliance with all legal requirements.

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