



Safety Data Sheet

24 Hour Emergency Phone Numbers
Medical/Poison Control:
 In U.S.: Call 1-800-222-1222

Outside U.S.: Call your local poison control center

Transportation/National Response Center:

1-800-535-5053

1-352-323-3500

NOTE: The National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

IMPORTANT: Provide this information to employees, customers, and users of this product. Read this SDS before handling or disposing of this product. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard. All abbreviated terms used in this SDS are further described in Section 16.

1. Identification

Product Name:	DAP RapidFuse Adhesive	Revision Date:	4/12/2022
Product UPC Number:	070798001312	Supersedes Date:	12/29/2021
Manufactured For	DAP Global Inc. 2400 Boston Street Suite 200 Baltimore, MD 21224-4723 888-327-8477 (non - emergency matters)	Product Use/Class:	Adhesive
	SDS Coordinator: MSDS@dap.com	SDS No:	3040604
	Emergency Telephone: 1-800-535-5053, 1-352-323-3500, 1-800-222-1222	Preparer:	Regulatory and Environmental Affairs

2. Hazards Identification

EMERGENCY OVERVIEW: WARNING! Combustible liquid and vapor. Keep container closed and away from heat, sparks, and open flame. Store away from caustics and oxidizers. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

GHS Classification

Eye Irrit. 2, Flam. Liq. 4, Skin Irrit. 2, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Warning

Possible Hazards

100% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Flammable liquid, category 4	H227	Combustible liquid
Skin Irritation, category 2	H315	Causes skin irritation.
Eye Irritation, category 2	H319	Causes serious eye irritation.
STOT, single exposure, category 3, RTI	H335	May cause respiratory irritation.

GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Wash thoroughly after handling.
P280	Use only outdoors or in a well-ventilated area.
P302+P352	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see ... on this label).
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.
P370+P378	In case of fire: Use... to extinguish.
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.
P501	Dispose of contents/container.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
Ethyl cyanoacrylate	7085-85-0	65-85	GHS07	H312-315-319-335
Methyl methacrylate polymer	CASRN NOT AVAILABLE	7-13	No Information	No Information
Dimethyl sebacate	106-79-6	3-7	GHS07	H302
Fumed silica	68909-20-6	0.5-1.5	No Information	No Information

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

FIRST AID - SKIN CONTACT: Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt object such as a spoon.

FIRST AID - EYE CONTACT: If the eye is bonded shut, apply warm water with a wet pad to release the eyelashes. Adhesive will bond to eye protein and will cause the eye to periodically shed tears. This will help debond the adhesive. Keep eye covered until debonding is complete. Do not force the eye open. Solid particles of cyanoacrylate may be trapped behind the eyelids and cause abrasive damage. Seek medical attention.

FIRST AID - INGESTION: Make sure airways are clear. Adhesive will immediately polymerize in mouth and will be impossible to swallow. Saliva will slowly separate the adhesive from mouth.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapor from this material will readily ignite at temperatures above 150 degrees F if an ignition source is present. Vapors may form an explosive mixture with air at temperatures above 150 degrees F. Eliminate sources of ignition: heat, electrical equipment, sparks and flames.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear. Use water spray to cool exposed surfaces.

EXTINGUISHING MEDIA: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Spray or Fog

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: No Information

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Immediately eliminate sources of ignition. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Use absorbent material or scrape up dried material and place in container.

7. Handling and Storage

HANDLING: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY. Keep away from open flames, hot surfaces and sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Avoid contact with eyes, skin and clothing.

STORAGE: Store away from sources of ignition and heat. Do not store at temperatures above 120 °F (49 °C). Store containers away from excessive heat and freezing. Store away from caustics and oxidizers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Ethyl cyanoacrylate	0.2 ppm TWA	1 ppm STEL	N.E.	N.E.
	Cyanoacrylates	Cyanoacrylates		
Methyl methacrylate polymer	N.E.	N.E.	N.E.	N.E.
Dimethyl sebacate	N.E.	N.E.	N.E.	N.E.
Fumed silica	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required.



SKIN PROTECTION: None Required.



EYE PROTECTION: Safety glasses with side-shields.



OTHER PROTECTIVE EQUIPMENT: Wear suitable gloves and eye/face protection. Not required under normal use.



HYGIENIC PRACTICES: Avoid breathing vapor. Avoid skin contact. Avoid eye contact. Wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Appearance:	Clear	Physical State:	Liquid
Odor:	Sharp	Odor Threshold:	Not Established
Density, g/cm³:	1.08 - 1.08	pH:	Not Applicable
Freeze Point, °C:	Not Established	Viscosity (mPa.s):	Not Established
Solubility in Water:	Not Established	Partition Coeff., n-octanol/water:	Not Established
Decomposition Temperature, °C:	Not Established	Explosive Limits, %:	N.E. - N.E.
Boiling Range, °C:	N.A. - N.A.	Auto-Ignition Temperature, °C	Not Established
Minimum Flash Point, °C:	88	Vapor Pressure, mmHg:	Not Established
Evaporation Rate:	Not Established	Flash Method:	Pensky-Martens Closed Cup
Vapor Density:	Not Established	Flammability, NFPA:	Combustible Liquid Class IIIA
Combustible Dust:	Does not support combustion		

(See "Other information" Section for abbreviation legend)

(If product is an aerosol, the flash point stated above is that of the propellant.)

10. Stability and Reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Protect from water. Keep away from open flames, hot surfaces and sources of ignition. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

INCOMPATIBILITY: Water, alcohols, bases, cotton, wool, cellulosic materials Open flames, hot surfaces and sources of ignition. Keep away from strong oxidizing agents, heat and open flames. Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Immediate bonding of skin may result upon contact.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Immediate bonding of eyelids may result upon contact.

EFFECT OF OVEREXPOSURE - INGESTION: Immediate bonding of mouth may result upon contact.

CARCINOGENICITY: No Information

EFFECT OF OVEREXPOSURE - CHRONIC HAZARDS: Chronic exposure may cause dermatitis.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
7085-85-0	Ethyl cyanoacrylate	5000 mg/kg Rat	2000 mg/kg Rabbit	<21.1 mg/L Rat
9011-14-7	Methyl methacrylate polymer	N.I.	N.I.	N.I.
106-79-6	Dimethyl sebacate	2000 mg/kg Rat	N.I.	N.I.
68909-20-6	Fumed silica	N.I.	N.I.	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Ecological injuries are not known or expected under normal use.

13. Disposal Information

DISPOSAL INFORMATION: This product does not meet the definition of a hazardous waste according to U.S. EPA Hazardous Waste Management Regulation, 40 CFR Section 261. Dispose as hazardous waste according to all local, state, federal and provincial regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Immediately eliminate sources of ignition. Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Use absorbent material or scrape up dried material and place in container.

14. Transport Information

DOT UN/NA Number:	NA1993
DOT Proper Shipping Name:	Combustible liquid, n.o.s.
DOT Technical Name:	(Ethyl cyanoacrylate)
DOT Hazard Class:	3 Flammable liquid
Hazard SubClass:	N.A.
Packing Group:	III

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No SARA 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

All ingredients in this product are either on TSCA inventory list, or otherwise exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

16. Other Information**Revision Date:** 4/11/2022 **Supersedes Date:** 12/29/2021**Reason for revision:** Substance Hazard Threshold % Changed
Substance and/or Product Properties Changed in Section(s):
01 - Product Information**Datasheet produced by:** Regulatory Department**HMIS Ratings:**

Health:	Flammability:	Reactivity:	Personal Protection:
2	2	1	X

VOC Less Water Less Exempt Solvent, g/L: 5.0

VOC Material, g/L: 5

VOC as Defined by California Consumer Product Regulation, Wt/Wt%: 0.46

VOC Actual, Wt/Wt%: 0.5

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS07



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

DAP believes the data and statements contained herein are accurate as of the date hereof. They are offered in good faith as typical values and not as a product specification. NO WARRANTY OF MERCHANTABILITY, WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE WITH REGARD TO THE INFORMATION HEREIN PROVIDED OR THE PRODUCT TO WHICH THE INFORMATION REFERS. Since this document is intended only as a guide to the appropriate use and precautionary handling of the referenced product by a properly trained person, it is therefore the responsibility of the user to (i) review the recommendations with due consideration for the specific context of the intended use and (ii) determine if they are appropriate.