

Revision Date 07 May 2014

Revision 5



SAFETY DATA SHEET PLUS 2000

1. IDENTIFICATION

Product Name	PLUS 2000
Identified uses	Industrial use: Screen printing
Uses advised against	The product should not be used for any purpose, other than that described above.
Supplier	MacDermid Autotype Inc. 1675 Winnetka Circle, Rolling Meadows, IL 60008, USA T: 001 847 818 8262 F: 001 847 818 8280 e: SDS@macdermidautotype.com
Emergency Telephone	800-424-9300 (Chemtrec, 24 hours)

2. HAZARD(S) IDENTIFICATION

GHS Pictogram



Signal Word	Warning	
Hazard Statements	H317	May cause an allergic skin reaction.
Precautionary Statements	P280	Wear protective clothing and gloves.
	P501	Dispose of contents/container in accordance with local regulations.
GHS Classification	Physical and Chemical Hazards	Not classified.
	Human health	Skin Sens. 1 - H317
	Environment	Not classified.

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label



Materials Causing Other
Toxic Effects.

Controlled Product Classification

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PLUS 2000

PROPYLIDYNE TRIMETHYLOL, ETHOXYLATED, ESTERS WITH ACRYLIC ACID 1-5%
CAS No.: 28961-43-5 EC No.: 500-066-5
GHS Classification Eye Irrit. 2 - H319; Skin Sens. 1 - H317
GLYCERINE PROPOXYLATE TRIACRYLATE 1-5%
CAS No.: 52408-84-1 EC No.: 500-114-5
GHS Classification Eye Irrit. 2 - H319; Skin Sens. 1 - H317

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.

Skin Contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Inhalation

No specific symptoms noted.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Allergic rash.

Eye Contact

May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

5. FIRE-FIGHTING MEASURES

Auto Ignition Temperature (°C)

Not available.

Flammability Limit - Lower(%)

Not available.

Flammability Limit - Upper(%)

Not available.

Flash point (°C)

Not available.

Extinguishing Media

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

None known.

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Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

Protective Equipment For Fire-Fighters

Use protective equipment appropriate for surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this material safety data sheet. In case of spills, beware of slippery floors and surfaces.

Environmental Precautions

Avoid discharge into water courses or onto the ground.

Spill Clean Up Methods

Stop leak if possible without risk. Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Promptly remove any clothing that becomes wet. Wash promptly if skin becomes wet.

Storage

Store in tightly closed original container in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments

No exposure limits noted for ingredient(s).

Engineering Measures

Provide adequate ventilation.

Respiratory Equipment

Respiratory protection not required.

Hand Protection

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

Eye Protection

Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Violet.
Odor	Characteristic.
Solubility	Miscible with water
Initial boiling point and boiling range	100 °C (212 °F)
Melting point (°C)	Not applicable.
Relative density	1.1 g/ml @ 20 °C (68 °F)
Vapor density (air=1)	Not applicable.
Evaporation rate	Not available.
pH-Value, Conc. Solution	4.5 - 6.1
Viscosity	60 - 65 Ps @ 25 °C (77 °F)
Decomposition temperature (°C)	Not available.
Flash point	Not available.
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Not available.

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Flammability Limit - Upper(%)

Not available.

Oxidising properties

Does not meet the criteria for oxidising.

10. STABILITY AND REACTIVITY

Reactivity

There are no known reactivity hazards associated with this product.

Stability

Stable under normal temperature conditions and recommended use.

None known.

Conditions To Avoid

There are no known conditions that are likely to result in a hazardous situation.

Materials To Avoid

Strong acids. Strong alkalis.

Hazardous Decomposition Products

None at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Toxicological information

No data recorded.

12. ECOLOGICAL INFORMATION

Toxicity

The product is not expected to be hazardous to the environment.

Degradability

The product is expected to be biodegradable.

Bioaccumulative potential

The product does not contain any substances expected to be bio-accumulating.

Mobility:

Mobile. The product is miscible with water. May spread in water systems.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents/container in accordance with local regulations. Contact specialist disposal companies. Liquid components can be disposed of by incineration. Small quantities in an industrial wastewater stream are easily treated in biological treatment systems.

Waste Class

Not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

14. TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

Transport Labels

No transport warning sign required.

Environmentally Hazardous Substance/Marine Pollutant

No.

15. REGULATORY INFORMATION

US Federal Regulations

Federal Regulations Comments

SECTION 313: This product does not contain toxic chemical 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. TSCA: The ingredients of this product are on the TSCA Inventory.

PLUS 2000

US State Regulations

State Regulations Comments

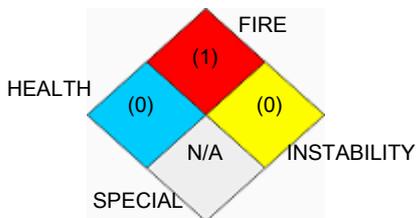
State and local regulations may apply.

16. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		1
FLAMMABILITY		1
PHYSICAL		0
PERSONAL PROTECTION		B

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

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Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.