



Factor II, Incorporated

P.O. Box 1339
Lakeside, AZ 85929

Phone: (928) 537-8387
Fax: (928) 537-0893

MATERIAL SAFETY DATA SHEET A-330 G-Primer Contact Factor II, Inc. In Case of Emergency 928-537-8387 or 928-242-1308

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: A-330 P-Primer

CHEMICAL FAMILY: Solution of modified polyacrylates in ethylmethylketone and dichloromethane.

FORMULA: Mixture

2. HAZARDOUS INGREDIENTS

MATERIAL	CAS#	EXPOSURE VALUE	CLASSIFICATION
Ethylmethylketone	78-93-3	See Section 8	See Section 15
Dichloromethane	75-09-2	See Section 8	See Section 15

3. HAZARDS IDENTIFICATION

Risk identification: Flammabel
Special risks for humans and Environment: Irritating for eyes and skin
Classification: Classification corresponds to actual EEC guidelines

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING:

Caution if victim vomits. Risk of aspiration. Keep airways free. Drink plenty of water but no milk or castor oil.

SKIN:

Wash with soap and water. Remove contaminated clothing.

INHALATION:

Remove to fresh air. Obtain Medical attention if symptoms persist.

EYES:

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.



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NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT: -1°C

FLAMMABLE LIMITS IN AIR (by volume):

LOWER Limit of Explosion 1.8% Upper Limit of Explosion 11.5%

AUTO-IGNITION TEMPERATURE: 505°C

EXTINGUISHING MEDIA:

Water, CO₂, foam, powder

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Personal Precautions: Do not inhale vapors/aerosols. Ensure adequate supply of fresh air in enclosed rooms.

Environmental Precautions: Observe all local laws.

Clean Up: Wipe up with absorbent material.

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Keep container closed, Protect from light, Store in well ventilated place at 15° to 25°C

In case of fire do not breathe fumes

Flammable.

Keep away from food stuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENTS WITH LIMITS OF VALUES TO BE SUPERVISED AT THE WORKPLACE:

CAS #	NAME	ART	VALUE	UNIT
78-93-3	Ethylmethylketone	MAK	200 or 590	ml/m ³ mg/m ³
75-09-2	Dichloromethane	MAK Pregnancy: Group D	100 or 350	ml/m ³ mg/m ³



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OCCUPATIONAL EXPOSURE VALUES AND SOURCE: Do not eat, drink or smoke during handling: avoid contact with eyes or skin

RESPIRATORY PROTECTION:

Use NIOSH approved respirator or self-contained breathing apparatus as needed to maintain personal exposure below established Occupational Exposure Values..

VENTILATION: General (mechanical) room ventilation with local ventilation as needed to maintain exposure below established Occupational Exposure Values.

PROTECTIVE GLOVES: Recommended

EYE PROTECTION: Recommended safety goggles or Glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

APPEARANCE: Liquid, Green

ODOR: Similar to acetone

BOILING POINT: 40°C

VAPOR PRESSURE, 100 mbar

VAPOR DENSITY 0.87 20°C g/cm³

EVAPORATION RATE (Butyl Acetate=1): N/A

SOLUBILITY IN WATER (By wt): Insoluble

Solubility in/miscibility with; Soluble in acetone, Toluene and slightly in petrol ether.

VISCOSITY: Slightly Viscous

ORGANIC SOLVENTS: Ethylmethylketone, Dichloromethane

Water None

Content of solids: None

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Avoid contact with elevated temperatures, open flame and other ignition sources.

INCOMPATIBILITY: Avoid contact with oxidation agents (e.g. Cr(VI) compounds, H₂O₂ etc.) Avoid contact with alkali metals alkaline earth metals, metals in powder form.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Phosgene, Hydrochloric acid.

11. TOXICOLOGICAL INFORMATION

Small effects of toxicity.

Primary Irritation: SKIN Irritating decreasing effects of the skin followed by secondary inflammation. Absorption possible

Eye: Severe irritation.



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INHALATION: In high amounts, narcosis, unconsciousness, nausea and vomiting.
Under proper conditions and consideration of the normal hygienic measures it can be handled without risks for health. But it may react as irritation to eyes or skin or cause allergic reactions.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Keep out of sewage system.

13. DISPOSAL CONSIDERATIONS

Use proper landfill disposal or incineration.
Dispose of in accordance with all Federal, State, and local regulations.

14. TRANSPORT INFORMATION

Land Transport ADR/RID and GGVS/GGVE	GGVS/GGVE class: 3	Number and letter: 3b
	ADR/Rid class: 3	Number and letter 3b
	1992	<i>Ethymethylketone/Dichlormethane</i>
Sea Transport IMDG	Class: 3.2	UN-No: 1992
	EmS 3.07	MFAG 340
	Packaging group II	Correct Technical name:
		<i>Ethymethylketone/Dichlormethane</i>

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

15. REGULATORY INFORMATION

CLASSIFICATION ACCORDING TO EEC-GUIDELINES:

Irritating, Flammable, Irritating to eyes, Repeated exposure may cause skin dryness or cracking, Vapors may cause drowsiness and dizziness, Possible risks with irreversible effects, Store bottles in well ventilated rooms, Do not breath vapors, Avoid contact with eye, Prevent electrostatical charge.

16. OTHER INFORMATION

HMIS FORMAT:

Health: I

Flammability: 3

Reactivity: 0

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II Technology, it is the user's obligation to determine the conditions of safe use of the product.
Factor II Technology Regulatory Compliance Department