

MATERIAL SAFETY DATA SHEET

KEIM I&F Grund



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: KEIM I&F Grund
CHEMICAL FAMILY: Preparation based on synthetic resin and organic solvents.
PRODUCT USE: Clear blocking primer

MANUFACTURER:

KEIM Mineral Coatings of America, Inc.
10615 Texland Boulevard, #600
Charlotte, NC 28273
Phone: 1-704-588-4811
Emergency Phone: only in US and Canada
1 800 535 5053 (INFOTRAC)

2. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS: (Also see section 11)

EMERGENCY OVERVIEW: WARNING!
FLAMMABLE LIQUID AND VAPOR.
IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES
OVEREXPOSURE MAY CAUSE DIZZINESS AND DROWSINESS.
IF SWALLOWED, MAY CAUSE LUNG DAMAGE DUE TO ASPIRATION.
MAY CAUSE EYE AND CENTRAL NERVOUS SYSTEM EFFECTS.

ROUTES OF ENTRY: Skin and eye contact and inhalation.

Appearance: Colorless liquid with a solvent-like odor.

CARCINOGENICITY:

NTP: No, IARC: No, OSHA: No

This material is considered hazardous by the OSHA Hazard Communication Standard. (29CFR1910.1200)

MATERIAL SAFETY DATA SHEET

KEIM I&F Grund



3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS#	% by wt.
Ethyl acetate	141-78-6	25 - 50
Propan-2-ol	67-63-0	10 - 20
n-butyl acetate	123-86-4	10 - 25
iso-butanol	78-83-1	5 - 10
Ethanol	64-17-5	2.5 - 10
1-methoxy-2-propanol, acetate	108-65-6	2.5 - 10

4. FIRST AID MEASURES:

SKIN: Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners. Get medical attention if irritation occurs

EYES: Hold eyes open and flush for at least 15 minutes with large amounts of water. Get immediate medical attention.

INGESTION: Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Remove to fresh air. If breathing is difficult administer oxygen. Consult physician if irritation of respiratory passage occurs.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES: Fight fire from a safe distance due to explosion hazard. Use self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES:

SPILL AND LEAK PROCEDURES: Remove all sources of ignition. Wear personal protective equipment. Contain spills using inert absorbent and place in suitable containers.

MATERIAL SAFETY DATA SHEET

KEIM I&F Grund

**7. HANDLING AND STORAGE**

STORAGE: Keep away from heat, and all sources of ignition. Store closed containers in an area away from strong acids and strong oxidizing agents. Do not store containers in direct sunlight. Keep in a well-ventilated area suitable for flammable material storage.

HANDLING: Observe all requirements for handling flammable liquids. Avoid skin and eye contact. Do not eat, drink or smoke in application area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	CAS#	Exposure limits
Ethyl acetate	141-78-6	400 ppm TWA ACGIH
Propan-2-ol	67-63-0	200 ppm TWA, 400 ppm STEL, ACGIH
n-butyl acetate	123-86-4	150 ppm TWA, 200 ppm STEL, ACGIH
Iso-butanol	78-83-1	1000 ppm TWA ACGIH
Ethanol	64-17-5	50 ppm TWA ACGIH
1-methoxy-2-propanol, acetate	108-65-6	50 ppm TWA MAK

ENGINEERING CONTROLS: Use local exhaust ventilation. Use in an area with controls and equipment suitable for handling flammable liquids.

RESPIRATORY PROTECTION: For exposure to vapor or mist, or If airborne concentration become irritating, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.

SKIN PROTECTION: Clothing and gloves suitable to avoid skin contact. Use butyl rubber or nitrile rubber gloves and protective clothing.

EYE PROTECTION: Safety goggles with side shields.

MATERIAL SAFETY DATA SHEET

KEIM I&F Grund



9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Colorless liquid
Odor	Solvent-like
Flash point	45 °F (7°C)
Boiling point	>95 °F (35°C)
Lower Explosion Limit	Not determined
Upper Explosion Limit	Not determined
Vapor pressure at 50°C	< 1100 hPa
Density at 20°C	0.9* g/cm ³
Solubility in Water (20°C)	Partly soluble
Viscosity, Kinematic	17 s (4mm)

* Value is for freshly prepared material and may change over time.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will release carbon oxides and silicon dioxide.

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Aspiration into lungs after swallowing may cause chemical pneumonitis.

Overexposure may cause effects on blood and central nervous system.

Overexposure may cause dizziness and drowsiness.

12. ECOLOGICAL INFORMATION

Avoid contamination of ground water or waterways. Do not discharge into sewers.

13. DISPOSAL CONSIDERATIONS

Dispose of or incinerate in accordance with Federal, State or Local regulations.

MATERIAL SAFETY DATA SHEET

KEIM I&F Grund



14. TRANSPORT INFORMATION

DOT SHIPPING NAME: PAINT
Class 3, UN 1263, Packing group II

15. REGULATORY INFORMATION

All components of this product are on the TSCA Inventory.

SARA Title III:

This product contains no toxic chemicals which are subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

Note: Entries under this section cover only those regulations typically addressed in the MSDS generating process, such as, TSCA, and EPCRA/SARA Title III.

16. OTHER INFORMATION

HAZCOM LABEL: WARNING!
FLAMMABLE LIQUID AND VAPOR.
IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES
OVEREXPOSURE MAY CAUSE DIZZINESS AND DROWSINESS.
IF SWALLOWED, MAY CAUSE LUNG DAMAGE DUE TO ASPIRATION.
MAY CAUSE EYE AND CENTRAL NERVOUS SYSTEM EFFECTS.

rtk I&F grund.doc

This MSDS conforms to the American National Standard, ANSI Z400.1-2004.
To the best of our knowledge, the information contained in this MSDS is accurate.
It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

Version 1

October 17, 2007

KEIM I&F GRUND.doc