

MATERIAL SAFETY DATA SHEET



ADK ULTRA SEAL

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DATE PREPARED : February/01/2002

DATE REVISED : October/20/2011

PRODUCT NAME **P-201**

MSDS No. : US-87544

1. CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER : ADK ULTRA SEAL P-201

GENERAL USE : Water stop for construction use

FORMULA : Mixture

MANUFACTURER:

ADEKA CORPORATION

2-35, HIGASHI-OGU 7-CHOME,

ARAKAWA-KU, TOKYO 116-8554, JAPAN

TEL: 81-3-4455-2843

FAX: 81-3-3809-8240

CHEMICAL NAME & STRUCTURE:

Mixture

EMERGENCY TELEPHONE NUMBERS:

ADEKA CORPORATION

TEL: 81-3-4455-2843

FAX: 81-3-3809-8240

DISTRIBUTOR:

TEL: _____

FAX: _____

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	%	CAS No.	NOTE
Urethane prepolymer	45-55	Trade secret	None
Filler	20-30	Trade secret	None
Hydrotreated heavy naphtha	10-20	Trade secret	None
Silica(amorphous)	5-10	7631-86-9	Hazardous material
Titanium dioxide	1-5	13463-67-7	Hazardous material
Nonane	0.1-1	111-84-2	Hazardous material
Toluene diisocyanate	<0.5	26471-62-5	Hazardous material

EXPOSURE GUIDELINE

OSHA HAZARDS	OSHA					
	PEL		ACGIH TLV ¹⁾			
	ppm	mg/m ³	TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
Silica (amorphous)	20	mppcf	-	-	-	-
Titanium dioxide	-	15	-	10	-	-
Nonane	1050	200	200	-	-	-
Toluene diisocyanate	-	-	0.005	-	0.02	-

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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Gray putty, slight odor.

May cause irritation to eye, skin and the respiratory tract.

Contains carcinogenic substance.

May be harmful if swallowed.

POTENTIAL HEALTH EFFECTS

SKIN CONTACT : May cause skin irritation.

EYE CONTACT : May cause eye irritation.

INHALATION : May cause irritation to the respiratory tract.

INGESTION : May be harmful if swallowed.

CHRONIC EFFECTS : This product contains carcinogenic substance. (Titanium dioxide and Toluene diisocyanate)

4. FIRST AID MEASURES

SKIN CONTACT : Wash off immediately with plenty of soap and water. Take all contaminated clothing off immediately. Seek medical advice if irritation develops.

EYE CONTACT : Immediately flush with large quantities of clean water for at least 15 minutes and call a physician.

INHALATION : Move affected person to fresh air. In case of respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.

INGESTION : Don't induce vomiting because of risk of aspiration into the lungs.
See a physician immediately.

NOTE TO PHYSICIAN: None

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5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash point and Method °F (°C) : No data available

Flammable Limits (% by volume) : No data available

Autoignition Temperature °F (°C) : No data available

EXTINGUISHING MEDIA : Dry sand, foam, carbon dioxide or dry chemical agents.

SPECIAL FIRE-FIGHTING PROCEDURES : Do not use a straight stream of water. Fire fighters should wear a self-contained breathing apparatus full protective clothes when fighting fire.

FIRE-FIGHTING INSTRUCTIONS : Either allow fire burn out under controlled conditions or extinguish with foam or dry chemicals.

HAZARDOUS DECOMPOSITION PRODUCTS : Smoke, oxides of carbon and NOx on combustion.

TO FIREMEN : Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILL : Incinerate or place in a suitable container for disposal by a licensed contractor. (Follow all Federal, State and local regulations in your country.)

SMALL SPILL : Sweep up or vacuum and place into sealable container for disposal with wearing protective equipment. (See section 8.)

7. HANDLING AND STORAGE

HANDLING : Avoid contact with skin and eyes. Keep container closed. Avoid prolonged or repeated breathing of vapor. Use with adequate ventilation. Wash thoroughly after handling. Do not allow to reach waterways.

STORAGE : Store in the original container securely under cool and dry condition. Avoid contact with water, moisture absorption and oxidizing agents.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS : Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Wear suitable particle filter mask when exposed to dust.

EYE PROTECTION : Chemical safety glasses. Contact lenses should not be worn.

SKIN PROTECTION : Chemical resistant gloves.

BODY PROTECTION : To prevent skin contact wear skin protection, such as gloves, workpants, long sleeve work shirt, or disposable coveralls.

SPECIAL PROTECTION INFORMATION : Eye wash stations and safety showers should be readily available in areas where the substance is used or handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Gray putty

ODOR : Slight odor

BOILING POINT °F (°C) : No data available

MELTING POINT / FREEZING POINT °F (°C) : No data available

VAPOR PRESSURE : No data available

SOLUBILITY IN WATER : Negligible

SPECIFIC GRAVITY : 1.3 at 77°F (25°C) ²⁾

pH : No data available

VISCOSITY : 120Pa·s at 77°F (25°C) ²⁾

VAPOR DENSITY (air=1) : No data available

EVAPORATION RATE : No data available
(n-Butylacetate=1)

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10. STABILITY AND REACTIVITY

CHEMICAL STABILITY : Stable under recommended conditions of storage and handling.

SUBSTANCES TO AVOID CONTAMINATION : Water, Strong alkalies, strong acid, peroxides, organic solvent.

HAZARDOUS REACTION AND FIRE DANGER: No risk of specific hazardous reactions or fire under normal conditions.

PRODUCTS CAUSING HAZARDOUS DECOMPOSITION : Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide and /or oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS : No data available, but may cause eye irritation.

SKIN EFFECTS : No data available, but may cause skin irritation.

ACUTE ORAL EFFECTS : No data available, but may be harmful if swallowed.

ACUTE INHALATION EFFECTS : No data available, but may cause irritation to the respiratory tract.

CHRONIC EFFECTS / CARCINOGENICITY : This product contains 1-5% Titanium dioxide and 0.4% Toluene diisocyanate.

Titanium dioxide is on the list of IARC (Group2B).

Toluene diisocyanate is on the list of IARC (Group2B), NTP (R).

MUTAGENICITY : This product is not known or reported to be mutagenic by any reference source.

OTHERS : No relevant information found.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION : No data available

13. DISPOSAL CONSIDERATION

DISPOSAL INFORMATION : Should be in accordance with local, state or national legislation.

14. TRANSPORTATION INFORMATION

UN No. : Not applicable

IMDG CODE : Not applicable

MARINE POLLUTANT : Not applicable

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15. REGULATORY INFORMATION

U.S.FEDERAL REGULATION

TSCA: TSCA INVENTORY ☒ registered ☐ not registered

SARA TITLE III

SECTION 313 TOXIC CHEMICALS:

COMPONENT

Toluene diisocyanate

CAS No.

26471-62-5

WT%

<0.5

INTERNATIONAL INFORMATION

CEPA: DSL ☒ registered ☐ not registeredREACH (EU): ☒ If you require information, please contact us. ☐ not registered

16. OTHER INFORMATION

RATING

HMIS:

HEALTH : 2

FLAMMABILITY: 1

REACTIVITY : 1

PERSONAL PROTECTIVE

EQUIPMENT : C

NFPA:

HEALTH HAZARD : 2

FLAMMABILITY : 1

REACTIVITY : 1

SPECIFIC HAZARD : None

REFERENCE: 1) Guide to Occupational Exposure Values (ACGIH, 2011)

2) Our data

OTHERS

DATE REVISED : None

OTHERS : None

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