

## Section 01 - Product Information

2003-07-04 HA Kap 8 : Ausgabe der Überschrift für Arbeitsplatzgrenzwerte nur wenn gefüllt (US22)  
 2003-06-16 HA: Kap14: Ausgabe der EmS-Nr 2 für IMDG (A14)  
 2003-06-11 HA Kap 8. Bei Handschutz nur Hinweise US ausgeben (US21)  
 2003-03-26 HA Änderungen nach Mail vom 25.03.2003 (Auf Server) (US20)  
 2003-03-26 HA: Kap 5 neu: Aussergewöhnl. Gefahren b. Feuer/Explos. (US19)  
 2003-01-07 HA Ausgabe der Idents nur, wenn Felder gefüllt (US18)  
 2002-11-29 HA: Dampfdruck mit umrechnung in TORR (US17)  
 2002-11-08 HA: MAT-Nr nicht bei SAG 4\* (US16)  
 2002-10-21 HA Kap 3: Wegen Ausgabe der Tabellenumrahmung neu erstellt (US15)  
 2002-10-10 HA Kap 1: Region neu (US14)  
 2002-10-01 HA: Neue Ausgabe TLV (US13)  
 2002-09-25 HA: Kap:1 PLZ nach Stadt Kap 2 + 8 Bemerkung eingefügt Kap 14 Neuer Vortext für Hazard inducer(s): (US12)  
 2002-09-23 HA Kap. 10: Einbau Chemical stability, Verdunstungszahl neu (US11)  
 2002-09-17 HA: Kap 16 Einbau NFPA (US10)  
 2002-09-13 HA: Einbau Identliste und abhängige NUM Ausgabe (US9)  
 2002-09-09 HA: Neue Darstellung Kap. 14 Kap. 16 Neue RTK (US8)  
 2002-09-06 HA: Einbau der Identifikatorenliste (US7)  
 2002-08-12 HA: Änderungen Tel Heming + Einbau Celsius in Fahrenheit (US6)  
 2002-08-07 HA: Änderungen E-Mail 06.08.2002 (US5)  
 2002-08-05 MB, Cercla-Inhaltsstoff mit unter- und obergrenze  
 2002-08\_05 MB, Austausch TOX-Klassen und Merkmale (US5)  
 2002-05-21 - xxxxxx Änderungen H. Göbel (G1) (US1) (US2) (US3)(US4)  
 2002-03-05 HA Nach E-Mail 01.03.02 (U3)  
 2002-02-26 HA Inhaltstoffe und Luftgrenzwerte in Tabelle (U2)  
 2002-02-07 HA: Kopie von PEE: Änderungen für USA (U1)  
 2002-01-14 MB MFAG entfernt, Schweizer Giftliste Hauptwdh eingefügt

eins

U1 Anmeldeadresse und HMIS info nebeneinander U3 Untereinander  
 US5: Rahmen angepasst

<b>Identification of the company:</b>	Clariant Corporation 70 Meister Avenue Somerville, NJ, US14 08876 Telephone No.: +1 (800) 515-4164  auskunftgebender bereich <b>Information of the substance/preparation:</b> Electronic Materials Product Safety 1-908-429-3562  notruftelefon  <b>Emergency tel. number:</b> +1 800-424-9300 CHEMTREC
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identifikator/Materialname/nummer

<b>Trade name:</b>	<b>AZ R200-US</b>	<b>(JP)</b>
<b>Material number:</b>	177935	

U1

casnummer

<b>Chemical family:</b>	aqueous solution
	U3 FRM SUM

U3 Verwendung (SDB) / Primary product use  
 Verwendung des Stoffes 2.7

## Section 02 - Composition information on hazardous ingredients

zwei

U1 Keine Chemische Charakteristik und keine R-Satz-Legende

G1 gelöscht casnummer

U3 gelöscht indexnummer

U3 gelöscht einecsnummer

elincnummer

U2 G1 Angaben zu OSHA Gefährliche Inhaltstoffen in Tabellen US20 Überschrift in 650000221 (alt 220)

### Hazardous ingredients:

Überschrift

Component	CAS-no. (Trade secret no.)CAS/NJTSCN US9	Concentration
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Inhalte

2-Propanol	67-63-0	< 6 %
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### Non-hazardous ingredients:

Überschrift

Component	CAS-no. (Trade secret no.)CAS/NJTSCN US9	Concentration
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Inhalte

Water	7732-18-5	<= 88 %
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Inhalte

Modified polyvinyl alcohol	67829000004-5737P	<= 7 %
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Inhalte

Imidazole derivative	67829000004-5738P	<= 2 %
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## Section 03 - Hazards identification

drei US15

<b>Emergency overview:</b>	Clear, pale yellow liquid. Characteristic odor. Product emits combustible vapors (flash point 124 F) but does not continue to burn at this temperature. Water soluble. Irritating on contact or inhalation. May produce systemic or organ effects with repeated or excessive exposure.
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### Expected Route of entry:

Inhalation

<b>Inhalation:</b>	yes
<b>Skin contact:</b>	yes
<b>Eye contact:</b>	Contact with liquid and vapors.
<b>Ingestion:</b>	no
<b>Skin absorption:</b>	no

**Health effects of exposure:**

US18 E-US18  
SPOS

Stoffliste:

US5 Cas-Nr + NAM PROD  
US18 Freitext  
Wenn Freitext ex., dann Ausgabe E-US18

2-propanol ( 67-63-0 )
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Ident  
Freitext  
Klasse Gesundheitsgefahr bei Exposition

Freitext

<p>2-Propanol is an eye and respiratory irritant. It can cause corneal burns and damage to the eyes; it is a narcotic in high concentrations; the lethal dose in humans is about 250 ml. When taken orally or inhaled in large quantities the vapor may cause headache, flushing, diarrhea, depression, nausea, vomiting, narcosis, anesthesia, and coma. Inhalation of vapors can cause slight irritation of eyes, nose, and throat. Overexposure to 2-propanol has caused liver abnormalities and kidney damage in animal studies. Repeated and prolonged overexposure can cause permanent brain and nerve damage.</p>
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E-US18

Auswirkungen auf andere Erkrankungen / Known effects on other illnesses

<b>Known effects on other illnesses:</b>	Preexisting skin, eye, and respiratory conditions may be aggravated.
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<b>Listed carcinogen:</b>	IARC: NO NTP: NO OSHA: NO
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HIMS-Daten: US5 Aus Kap 16 kopiert

**HMS:**

Health: 2	Flammability: 0	Reactivity: 0	Personal protection: X
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<b>Section 04 - First aid measures</b>
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vier

nach einatmen

US2

**After inhalation:**

US2

Remove victim to fresh air.  
Consult physician if irritation occurs.

**After contact with skin:**

US2

Immediately remove contaminated clothing and wash affected area thoroughly with soap and water.  
Consult physician if irritation is extensive or if other symptoms occur.

**After contact with eyes:**

US2

Flush thoroughly with water for 15 minutes. Get immediate medical help.

**After ingestion:**

US2

If person is conscious, give water or milk to dilute stomach contents.  
Never give anything by mouth to an unconscious person.  
Consult physician.

**Advice to doctor / Treatment:**

Administer oxygen if there is difficulty in breathing.

**Section 05 - Fire fighting measures**

fuenf  
flammpunkt

<b>Flashpoint:</b>	123.8 °F Method: Setaflash (closed cup)
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**Hazardous combustion products:**

Solvent vapors.  
Emits toxic fumes under fire conditions.  
Evolves combustible vapors (flash point 124 F) but does not continue to burn.

<b>Extinguishing media:</b>	Carbon dioxide, water, alcohol foam, dry chemical.
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**Section 06 - Accidental release measures**

sechs

G1 Massnahmen b. Verschütten

**Steps to be taken in case of spill or leak:**

Wearing appropriate personal protective equipment, contain spill, ventilate area of spill or

leak, remove all sparking devices or ignition sources, collect onto inert absorbent, and place in a suitable container.

## Section 07 - Handling and storage

sieben

hinweise zum sicheren Umgang

**Advice on safe handling:**

**Further info on storage conditions:**

## Section 08 - Exposure controls / personal protection

acht

Luftgrenzwerte am Arbeitsplatz USA US1 US 13 US22

ISOPROPYL ALCOHOL	67-63-0	US OSHA Table Z-1-A Data	Time Weighted Average (TWA):	400 ppm	980 mg/m <sup>3</sup>
ISOPROPYL ALCOHOL	67-63-0	US OSHA Table Z-1-A Data	Short Term Exposure Limit (STEL):	500 ppm	1,225 mg/m <sup>3</sup>
ISOPROPANOL	67-63-0	US ACGIH Threshold Limit Values Data	Time Weighted Average (TWA):	200 ppm	
ISOPROPANOL	67-63-0	US ACGIH Threshold Limit Values Data	Short Term Exposure Limit (STEL):	400 ppm	

Ende LGW.

Ende LGW.

atemschutz G1

<b>Respiratory protection:</b>	Chemical cartridge respirator recommended for exposures exceeding TLV.
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<b>Hand protection:</b>	Rubber gloves.
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augenschutz G1  
US20 LTU neu

<b>Eye protection:</b>	Safety eyewear to protect against splashes.
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koerperschutz US20 Ausgabe von ADVICE\_US + LTU neu

US20 Nicht mehr ausgeben 1016\_016 allgemeine schutzmassnahmen

zusaetzliche hinweise zur gestaltung technischer anlagen

<b>Advice on system design:</b>	Use local exhaust ventilation.
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IDLH G1

### Section 09 - Physical and chemical properties

neun

form

**Form:** Liquid with dissolved solids.

**Color:** Clear, pale yellow

**Odor:** Characteristic odor.

<b>Solubility in water:</b>	soluble
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<b>Density:</b>	1.02 g/cm <sup>3</sup>
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<b>Melting point :</b>	approx. 51.8 °F
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<b>Boiling range :</b>	179.6 - 212. °F
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<b>Evaporation number:</b>	< Reference substance: diethyl ether
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<b>Loss on drying:</b>	93 %
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### Section 10 - Stability and reactivity

zehn

thermische zersetzung

<b>Chemical stability:</b>	Stable.
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<b>Hazardous Polymerization:</b>	Will not occur.
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<b>Conditions to avoid:</b>	Avoid contact with oxidizing agents.
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### Section 11 - Toxicological information

elf

Product information:

**Component information:**

US18 E-US18

Ende SPOS  
Ende HWG

US5 CAS-nr Ident NAM PORD der Listenstoffe:  
US18 Nur Ausgabe wenn Toxicity gefüllt, 1019001 = Akute Orale Tox, 1019002 = Akute  
Inhalativ, 1019003 = Akute Dermale

E-US18

2-propanol ( 67-63-0 )

<b>Acute oral toxicity:</b>	LD50 5,045 mg/kg (rat)
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<b>Acute inhalation toxicity:</b>	LC50 US5 Non-Standard Value 16,000 ppm (rat)
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<b>Acute dermal toxicity:</b>	LD50 US5 Non-Standard Value 12,800 mg/kg (rabbit)
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## Section 12 - Ecological information

zwoelf  
Product information:

biologische abbaubarkeit

Ende SPOS  
Ende HWG

US5 Cas-nr Ident NAM PORD der Listenstoffe:  
US18 1018001 = Fisch, 1018002 = Delphin, 1018003 = Algen

## Section 13 - Disposal considerations

dreizehn

entsorgung produkt G1

### Waste disposal information:

Consult local, state, and federal regulations.

US20 1023\_019 soll nicht mehr gedruckt werden entsorgung verpackung

elementare Zusammensetzung KSO, Element, Genauigkeit, wert

RCRA Gefährlicher Abfall G1

## Section 14 - Transport information

vierzehn

### Vorschrift DOT neues Layout

Gefahrgutvorschriften  
Klassifizierung kein gefahrgut-angaben

DOT	not restricted
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### Vorschrift IATA

Gefahrgutvorschriften  
Klassifizierung kein gefahrgut-angaben

IATA	not restricted
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### Vorschrift IMDG

Gefahrgutvorschriften  
Klassifizierung kein gefahrgut-angaben

IMDG	not restricted
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Ende Neu  
ende Samba

Hinweise zur gefahrgutklassifizierung

## Section 15 - Regulatory information

fuenfzehn

TSCA Registrierung

### TSCA Status:

All components of this product are listed on the TSCA Inventory. SARA (section 311/312) US5 LTU
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### SARA (section 311/312):

Reactive hazard: <b>Reactive hazard</b>	no
Pressure hazard: <b>Pressure hazard</b>	no
Fire hazard: <b>Fire hazard</b>	yes
Immediate/acute: <b>Immediate/acute</b>	yes



Delayed/chronic: <b>Delayed/chronic</b>	no
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SARA 302 ingredient(s) US5 LTU

**SARA 313 information:**

Bemerkung.

This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
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Clean Water Act

VOC

**Volatile organic compounds VOC:**

Content VOC (g/l): <b>Gehalt in g/l</b>	54 g/l
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CERCLA

<b>Section 16 - Other information</b>
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sechzehn

US20 1011\_002 Other Information SDS soll nicht mehr gedruckt werden

Neu Other Information US 1011\_055

G1 US Staaten Vorschriften

E-G1

U1 R-Satzlegende gelöscht

U1 U3 gelöscht Grundlage des Etiketts (RTK/WHMIS) Base of Label

Etikett (RTK/WHMIS) Kennzeichnung Label

Löschen alte RTK (1013\_032) Neu 1023\_088 US8

**Label information:**

CAUTION!

Contains 5 % Isopropanol. May release flammable vapor. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN Contains material that can cause skin, eye, mucous membrane, and respiratory irritation. Prolonged or repeated overexposure may cause lung, liver, kidney, and central nervous system effects.

Keep away from heat, sparks or flame. Avoid breathing vapor. Avoid contact with skin, eyes, and clothing. Use only with adequate ventilation, and proper protective eyewear, gloves, and clothing. Wash thoroughly after handling. Keep container closed.

In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention immediately. Flush affected skin areas with water, and wash with mild soap and water. Remove contaminated clothing. If INHALED, remove individual to fresh air. If breathing is difficult, give oxygen. If ingested, give water or milk to dilute stomach contents. Never give anything by mouth to an unconscious person. Get medical attention immediately for ingestion or breathing problems or if skin contact is extensive.

In case of fire, use water, "alcohol" foam, dry chemical, or CO<sub>2</sub>. If spilled, wear protective clothing, remove ignition sources, prevent sparks, and ventilate area. Absorb with inert material, collect, and place in a chemical waste container.

Keep sealed in original container. Avoid freezing and direct sunlight. Product should be stored > 32 F (0 C). Empty container may contain harmful residue.

The solvent in this product is not photochemically reactive per Rule 102 of the California South Coast Air Quality Management District.

#### NFPA-Daten: US10

##### NFPA:

Health: 2	Flammability: 0	Reactivity: 0	
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#### Neuer Disclaimer

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications. (R) and TM indicate trademarks of Clariant AG, its business partners or suppliers.