

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA**SECTION 1: Identification****1.1 Product identifier**

Trade name

Panel Preparation Spray**1.2 Recommended use of the chemical and restrictions on use****Recommended use of the chemical and restrictions on use**
Cleaner**Restrictions on use**

No data available.

1.3 Details of the supplier of the safety data sheet**Address**Koch-Chemie GmbH
Einsteinstr. 42
D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

1.4 Emergency phone number

(+1) 202 464 2554

SECTION 2: Hazard(s) identification**2.1 Classification of the chemical****Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"**

Eye Irritation - Category 2A

Flammable Liquids - Category 2

Specific Target Organ Toxicity - Single Exposure - narcotic effects - Category 3

2.2 Label elements**Pictogram(s)****Signal word**

Danger

Hazard Statement(s)

Physical hazards

Health hazards

Highly flammable liquid and vapor

Causes serious eye irritation

May cause drowsiness or dizziness

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/ lighting/equipment.

Use non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing mist/vapours.

Wash exposed skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection.

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container to a facility in accordance with local and national regulations.

Disposal

2.3 Labelling information

No data available

2.4 Hazards not otherwise classified (HNOC)

No data available

SECTION 3: Composition / information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

No	Substance name	Concentration	%
	CAS no.		
1	propan-2-ol		
	67-63-0	>= 25.00 - < 50.00	%-b.w.
2	2-butoxyethanol		
	111-76-2	>= 5.00 - < 10.00	%-b.w.

SECTION 4: First-aid measures**4.1 Description of necessary first-aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration.

After skin contact

In case of contact with skin wash off with water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Water spray jet; Alcohol-resistant foam; Carbon dioxide; Dry chemical extinguisher

Unsuitable extinguishing media

Full water jet

5.2 Specific hazards arising from the chemicalIn the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.**5.3 Special protective equipment and precautions for fire-fighters**

Use self-contained breathing apparatus. Wear full protective suit. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA**For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Keep away from ignition sources. Do not inhale vapours.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Precautions for safe handling**

Risks inherent to handling the product must be minimised by applying appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided: see chapter 10.

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Occupational exposure limit(s)**

No	Substance name	CAS no.
1	propan-2-ol	67-63-0
ACGIH Threshold Limit Values		
2-Propanol		
	STEL	400 ppm
	TWA	100 ppm
	Remarks	A4; BEI
OSHA Permissible Exposure Limits (PELS)		
Isopropyl alcohol		
	TWA	980 mg/m ³ 400 ppm
2	2-butoxyethanol	111-76-2
ACGIH Threshold Limit Values		
2-Butoxyethanol		
	TWA	20 ppm
	Remarks	A3; BEI
OSHA Permissible Exposure Limits (PELS)		
2-Butoxyethanol		
	TWA	240 mg/m ³ 50 ppm

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA**Respiratory protection**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Filter A or environment-independent breathing apparatus.

Eye / face protection

Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Hand protection

In the event of possible skin contact with the product, wearing protective gloves in accordance with OSHA's CFR 1910.138 will provide sufficient protection. Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other protection measures

Chemical-resistant work clothes.

SECTION 9: Physical and chemical properties

Form/Color		
liquid		
colorless		
Odor		
alcohol-like		
Odor threshold		
No data available		
pH value		
No data available		
Boiling point / boiling range		
No data available		
Melting point / melting range		
No data available		
Decomposition point / decomposition range		
No data available		
Flash point		
Value	21	°C
Auto-ignition temperature		
No data available		
Oxidising properties		
not oxidizing		
Explosive properties		
This product is not explosive. In and after use danger of production of inflammable compounds.		
Flammability		
No data available		
Lower flammability or explosive limits		
No data available		
Upper flammability or explosive limits		
No data available		
Vapor pressure		
No data available		
Vapor density		
No data available		
Evaporation rate		
No data available		
Relative density		
No data available		
Density		
Value	0.92	g/cm ³
Reference temperature	20	°C

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA

Solubility in water	
Remarks	miscible

Solubility(ies)	
No data available	

Partition coefficient: n-octanol/water	
No data available	

Viscosity	
No data available	

Other information

Other information	
No data available.	

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, open flames and other sources of ignition. Static discharges.

10.5 Incompatible materials

strong oxidising agents; Alcalis; Amines; Chlorine compounds; Aldehydes

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**Information on toxicological effects**

Acute oral toxicity (result of the ATE calculation for the mixture)	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	
1	2-butoxyethanol	111-76-2	
LD50		1414	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity (result of the ATE calculation for the mixture)	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories (ATE dermal > 2000 mg/kg).

Acute dermal toxicity	
No data available	

Acute inhalational toxicity (result of the ATE calculation for the mixture)	
Remarks	The result of the applied additivity formula according to CFR (Code of Federal Regulations), Title 29, §1910.1200 "Hazard Communication", section A.1.3 is outside the values that imply a classification / labelling of this mixture according to table A.1.1 defining the respective categories ((ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists).

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA

Acute inhalational toxicity			
No	Substance name	CAS no.	
1	2-butoxyethanol	111-76-2	
LC50		2.56	mg/l
Duration of exposure		4	h
State of aggregation		mist	
Species		rat	
Method		OECD 403	
Source		ECHA	
Skin corrosion/irritation			
No data available			
Serious eye damage/irritation			
No	Substance name	CAS no.	
1	propan-2-ol	67-63-0	
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		Irritating to eyes	
Respiratory or skin sensitisation			
No data available			
Germ cell mutagenicity			
No data available			
Reproduction toxicity			
No data available			
Carcinogenicity			
No data available			
NTP Report on Carcinogens (RoC)			
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).			
OSHA Standards listing cancer as a health effect (Table VII.6.2)			
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as carcinogenic.			
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans			
The product contains following substance(s) classified by the IARC Monographs			
No	Substance name	CAS no.	Group
1	2-butoxyethanol	111-76-2	3
2	propan-2-ol	67-63-0	3
STOT - single exposure			
No data available			
STOT - repeated exposure			
No data available			
Aspiration hazard			
No data available			

SECTION 12: Ecological information**12.1 Toxicity**

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA**Toxicity to algae (chronic)**

No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

12.6 Other information**Other information**

Do not let enter the product into drains or waterways and do not store on public depositories.

SECTION 13: Disposal considerations**13.1 Disposal considerations****Product**

Dispose in accordance with federal, state and local regulations.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in accordance with federal, state and local regulations.

SECTION 14: Transport information**14.1 US DOT (Department of Transportation)**

Transport hazard class	3
Packaging group	II
UN/NA number	UN1219
UN proper shipping name	Isopropyl alcohol
Label code(s)	3

14.2 Transport IMDG

Class	3
Packaging group	II
UN number	UN1219
Proper shipping name	ISOPROPANOL solution
EmS	F-E, S-D
Label	3

14.3 Transport ICAO-TI / IATA

Class	3
Packaging group	II
UN number	UN1219
Proper shipping name	Isopropanol solution
Label	3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information**15.1 US Federal Regulations****Toxic Substances Control Act (TSCA)**

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA

Inventory or are exempted from notification requirements.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

The product contains following substance(s) that are considered being subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities"

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

The product contains following substance(s) that are considered being "Hazardous Air Pollutants".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

EPCRA SARA Section 313, Toxic Chemical Release Inventory

The product contains following substance(s) that are considered being subject to "SARA Reporting".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2
2	propan-2-ol	67-63-0

Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being subject to reporting requirements.

Clean Air Act (CAA) - Section 602 Ozone depleting substances

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) listed as ozone depleting substance.

15.2 US State Regulations**Pennsylvania State Right to Know Hazardous Substance List**

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2
2	propan-2-ol	67-63-0

New Jersey State Right to Know Hazardous Substance List

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2
2	propan-2-ol	67-63-0

Massachusetts State Right to Know Hazardous Substance List

The product contains following substance(s) that are considered being "Hazardous Substances".

No	Substance name	CAS no.
1	2-butoxyethanol	111-76-2

Right to Know - California State - Proposition 65

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substance(s) that are considered being "Hazardous Substances".

SECTION 16: Other information, including date of preparation or last revision**16.1 Other information**

No data available.

16.2 Date of preparation/revision of the SDS

Current version	Testdatenblatt	05.03.2021
Replaced version	-	-

16.3 Department issuing safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

16.4 Conclusions

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not, however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Trade name: Panel Preparation Spray**Product no.:** 441999**Current version :** Testdatenblatt, issued: 05.03.2021**Replaced version:** -, issued: -**Region:** USA

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 773979

16.5 Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists
ATE – Acute Toxicity Estimate
BOD - Biochemical Oxygen Demand
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations (US)
CLP - Classification, Labelling, and Packaging
DOT - Department of Transportation Commission
ECHA – European Chemicals Agency
EC / EL – Effective Concentration / Effective Loading
EPA - Environmental Protection Agency
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – Intermediate Bulk Container
ICAO - International Civil Aviation Organization
IDL - Ingredient Disclosure List
IDLH - Immediately Dangerous to Life and Health
IMDG - International Maritime Dangerous Goods
IUCLID - International Uniform Chemical Information Database
Kow - Octanol/water partition coefficient
LD/LC - Lethal Dose/ Lethal Concentration
MARPOL – Marine Pollution
MEL - Maximum Exposure Limits
NFPA - National Fire Protection Agency
NIOSH - National Institute for Occupational Safety and Health
NJTSR - New Jersey Trade Secret Registry
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL- Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reauthorization Act
STEL - Short-term Exposure Limit
STOT – Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
UN/NA - United Nations /North American
US - United States
VLE - Exposure Limit Value (Mexico)
VOC – Volatile Organic Compounds