

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Number	Product Identifier
370738	CR Wipe Vipers StarSat VPC68
370739	CR Wipe Vipers StarSat VPP36
370740	CR Wipe Vipers StarSat VSPP36
370741	CR Wipe Vipers StarSat VSPC68

Product Name: Nonwoven Cleanroom Wiper Pre-saturated with 70% Isopropyl Alcohol (IPA) and 30% Deionized Water (DIW)

Unique Formula Identifier: KN48-9PWV-G20H-U1YP

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Identified Use(s): Disinfectant
Uses Advised Against: Not known.

1.3 Details of the Supplier

Manufacturer Name: Protect2Clean GmbH
Address: Erzberg 5
 38126 Braunschweig, Germany
Website: <https://www.protect2clean.com/>
Phone Number: +49 – 531 70 222 96 - 0
Email address: sales@protect2clean.com

1.4 Emergency Contact Information

National Response Center: National Health Service, Direct
Contact number: +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance of mixture

Regulation (EC) No. 1272/2008 (CLP) Flammable Liquid, Category 2: Highly flammable liquid and vapor
 Eye Irritant, Category 2: Causes serious eye irritation
 Specific Target Organ Toxicity, Single Exposure, Category 3: May cause drowsiness

2.2 Label elements

Labelling according to regulation (EC) No. 1272/2008 (CLP)

Hazard Pictogram(s):



Signal Word(s): DANGER!

Hazard Statement(s): H225: Highly flammable liquid and vapor.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

Precautionary Statement(s): P210: Keep away from heat/sparks/open flames — No smoking.
 P233: Take precautionary measures against static discharge.
 P280: Wear protective gloves, protective clothing, and eye protection.
 P233: Store in a well-ventilated place. Keep container tightly closed.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 Call a POISON CENTER or doctor/physician if you feel unwell.
 P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish
 P501: Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Unique Formula Identifier: KN48-9PWV-G20H-U1YP

2.3 Other Hazards
 None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
 Not Applicable

3.2 Mixtures

Chemical Name	CAS Number	% w/w	EC Number	Hazard Pictogram(s)
Isopropyl Alcohol	67-63-0	70%	200-661-7	GHS02 GHS07
Deionized Water	7732-18-5	30%	231-791-2	None

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin Contact: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Inhalation: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

4.2 **Most important symptoms and effects, both acute and delayed.**
May cause irritation.

4.3 **Indication of any immediate medical attention and special treatment needed**
Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 **Suitable Extinguishing Media:** **Extinguishing Media**
Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

Unsuitable Media: Do not use a solid water stream as it may scatter and spread fire.

5.2 **Special hazards arising from the substance or mixture**
Highly flammable liquid and vapor. May decompose in a fire, giving off toxic and irritant vapors.

5.3 **Advice for firefighters**
Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions, protective equipment, and emergency procedures**
Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid breathing vapor, aerosol, or mist. Avoid contact with skin, eyes, and clothing. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 **Environmental Precautions**
Avoid runoff into storm sewers, ditches, and waterways. Comply with all government regulations on reporting releases.

6.3 **Methods and material for containment and cleaning up**
Spills are very unlikely because the wiper fabric has absorbed the liquid solvent solution. In the event of a spill, contain with an inert absorbent.

Remove all sources of ignition. Collect the wipes with a non-sparking tool and absorb or wipe any residual liquids. Place in a suitable container for proper disposal. Use appropriate protective apparel as described in Section 8.

6.4 **Reference to other sections**
See sections 8 & 13

SECTION 7: HANDLING AND STORAGE

7.1

Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fumes/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

7.2

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use.

Storage temperature: Ambient.

Storage life: Stable under normal conditions.

Incompatible Materials: Keep away from aldehydes, halogenated organics, halogens, strong acids, and strong oxidizers.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1

Control Parameters

Occupational Exposure Limits:

Substance	Cas No.	LTEL (8hr TWA ppm)	LTEL (8hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Propan-2-ol	67-63-0	400	999	500	1250

Region: United Kingdom

Source: UK Workplace Exposure Limits EH40/2005 (4th Edition, published 2020)

8.2

Exposure Controls

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Eye/Face Protection: Safety glasses with side shields must be worn at all times. If splash hazard exists, wear chemical splash goggles and/or face shield.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Preferred glove materials include: polyethylene, neoprene, chlorinated polyethylene, natural rubber (latex), polyvinyl chloride (PVC or vinyl), nitrile/butadiene rubber (nitrile or NBR), ethyl vinyl alcohol laminate (EVAL). Avoid gloves made of polyvinyl alcohol (PVA).

Respiratory Protection: Use a NIOSH/MSHA or European Standard EN 149 approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.

Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PPE Pictograms:



Environmental Exposure Controls: Avoid release to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance: Liquid pre-saturated wipes.

Odor: Alcohol-like

Odor Threshold: Not determined.

Boiling Point: 82 - 89°C (180 - 192 °F)

Melting Point: Not determined.

Specific Gravity: 0.872 @ 20°C (68°F)

Solubility: Soluble in water.

Vapor Density: Not determined.

Vapor Pressure: 43.0 hPa (32 mm Hg) @ 20°C (68°F)

Percent Volatile: 100%

Evaporation Rate: Not determined.

pH: Not determined.

Viscosity: Not determined.

Coefficient of Water/Oil Distribution: Not determined.

Flash Point: 20.5°C (69°F)

Auto Ignition Temperature: 399°C (750°F)

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None anticipated.

Chemical Stability: Stable under normal temperatures and pressures.

Hazardous Reactions: No hazardous reactions known if used for its intended purpose.

Conditions to Avoid: Keep away from heat, ignition sources and incompatible materials.

Incompatible Materials: Aldehydes, halogenated organics, halogens, strong acids, strong oxidizers.

Hazardous decomposition products: No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008

Acute toxicity – Ingestion: Calculation method: Not classified

Acute toxicity – Skin

Contact: Calculation method: Not classified

Acute toxicity – Inhalation: Calculation method: Not classified

Skin corrosion/irritation: Calculation method: Not classified

Serious eye

damage/irritation: Calculation method: Causes serious eye irritation

Skin sensitization data: Calculation method: Not classified

Respiratory sensitization

data: Calculation method: Not classified

Germ cell mutagenicity: Calculation method: Not classified

Carcinogenicity: Calculation method: Not classified

Reproductive toxicity: Calculation method: Not classified

Lactation: Not classified

STOT-single exposure: Calculation method: May cause drowsiness or dizziness

STOT-repeated exposure: Calculation method: Not classified

Aspiration hazard: Calculation method: Not classified

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity – Aquatic

invertebrates: Low toxicity to invertebrates

Toxicity – Fish: Low toxicity to fish

Toxicity – Algae: Low toxicity to algae

Toxicity – Sediment

Compartment: Not classified

Toxicity – Terrestrial
Compartment: Not classified

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|------|---|
| 12.2 | Persistence and Degradability |
| | Not known. |
| 12.3 | Bio-accumulative potential |
| | Not known |
| 12.4 | Mobility in soil |
| | Not known |
| 12.5 | Results of PBT and vPvB assessment |
| | Not known |
| 12.6 | Endocrine disrupting properties |
| | None known |
| 12.7 | Other adverse effects |
| | Not known |

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 or the EU Directive 2008/98/EC on waste for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state, local, or provincial waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance with the EPA and/or state and local guidelines.

Contaminated Packaging: WARNING! Used wipes may catch fire if improperly discarded or stored near ignition sources. Do not reuse containers without proper cleaning or reconditioning.

SECTION 14: TRANSPORT INFORMATION

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| 14.1 | UN Number or ID Number |
| | UN No.: 3175 |
| 14.2 | UN Proper Shipping Name |
| | UN Proper Shipping Name: Solids containing flammable liquid, N.O.S. |
| 14.3 | Transport Hazard Class(es) |
| | ADR/RID: 4.1 |
| | ADR/RID Class: F1 |
| | Special Provisions: 216, 274, 601 |
| | Limited Quantities: 1 kg |
| | Excepted Quantities: E2 |
| | Emergency Action Code: 1Z |
| | Mixed Packing Instructions for Packages: P002 IBC06 R001 |
| | Special Packing Instructions for Packages: PP9 |
| | Packing Instructions for Portable Tanks: T3 BK1 BK2 |

Special Provisions for Portable Tanks:	TP33
Tank Code for Tanks:	
Special Provisions for Tanks:	
Vehicle for Tank Carriage:	AT
ADR Transport Category:	2
Tunnel Restriction Code:	E
Special Provisions for Carriage – Packages:	V11
Special Provisions for Carriage – Bulk:	VC1 VC2 AP2
Special Provisions for Carriage – Loading, Unloading, and Handling:	
Special Provisions for Carriage – Operation:	
ADR HIN:	40
IMDG:	
IMDG Class:	4.1
Special Provisions:	216, 274, 601
Limited Quantities:	1 kg
Excepted Quantities:	E2
Mixed Packing Instructions for Packages:	P002 IBC06 R001
Special Packing Provisions for Packages:	PP9
Packing Instructions for Portable Tanks:	T3 BK1 BK2
Special Provisions for Portable Tanks:	TP33
IMDG EMS:	F-A, S-I
Storage and Handling:	Category B
Segregation:	
Marine Pollutant:	
ICAO/IATA:	
IATA Proper Shipping Name:	Solid Containing Flammable Liquid, N.O.S.
Excepted Quantities:	E2
Passenger and Cargo Aircraft Limited Quantities:	Y441
Packing Instructions:	
Passenger and Cargo Aircraft Limited Quantities:	5Kg
Max Net Quantity:	
Passenger and Cargo Aircraft Packing Instructions:	445
Passenger and Cargo Aircraft Max Net Qty:	15Kg
Cargo Aircraft Packing Instructions:	448
Cargo Aircraft Max Net Qty:	50Kg
Special Provisions:	A46

Emergency Response 3L
Guidebook (ERG) Code: 4.1
Labels:



14.4 **Packing Group**
Packing Group: II

14.5 **Environmental Hazards**
Environmental Hazards: Not Classified as a Marine Pollutant

14.6 **Special Precautions for user**
Special Precautions for user: Not known

14.7 **Maritime transport in bulk according to IMO instruments**
 No information available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

Candidate List of Substances of Very High Concern for Authorization: Not listed.

REACH: ANNEX XIV list of substances subject to Authorization: Not listed.

REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures, and articles: Propan-2-ol isopropyl alcohol isopropanol (67-63-0)

Community Rolling Action Plan (CoRAP): Not listed.

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic Pollutants: Not listed.

Regulation (EU) N° 1005/2009 on substances that deplete the ozone layer: Not listed.

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals:

Not listed.

Others: Not known.

15.2

Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: ADDITIONAL INFORMATION

Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE: Acute Toxicity Estimate
 CAS: Chemical Abstract Service
 CLP: Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures
 DNEL: Derived No Effect Level
 EC: European Community
 EINECS: European Inventory of Existing Commercial Chemical Substances
 IATA: International Air Transport Association
 IBC: Intermediate Bulk Container
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Dangerous Goods
 LTEL: Long Term Exposure Limit
 PBT: Persistent, Bio-accumulative, and Toxic
 PNEC: Predicted No Effect Concentration
 REACH: Registration, Evaluation, Authorization and Restriction of Chemicals
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
 STEL: Short term Exposure Limit
 STOT: Specific Target Organ Toxicity
 UN: United Nations
 vPVB: very Persistent and very Bio-accumulative

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Disclaimer:

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Data herein relates to the specific material designated herein and does not relate to the use in combination with other material or in any process. Final determination of suitability of any material is the sole responsibility of the user.

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