RAINWORKS INVISIBLE SPRAY
MATERIAL SAFETY DATA SHEET
(Version 2.0 - W1017 - “Monarch”)
MSDS Revision Date: Jan 12 2022

1 Chemical Product and Company Information

1.1 Trade names: Rainworks Invisible Spray 2.0
Rainworks, Invisible Spray Street Art, 1 Count
Rainworks Invisible Spray Street Art Kit
Rainworks Invisible Spray 2.0 Street Art Kit
Rainworks Invisible Spray 2.0 (2oz Starter Kit)
Rainworks Invisible Spray 2.0 Street Art Starter Kit 2oz

1.2 Description:

- Clear-colored liquid water-based superhydrophobic coating, invisible when dry, effective for 2-18 months on all absorbent substrates.
- Relevant identified uses of the substance or mixture and uses advised against:
  No further relevant information available.
  Application of the substance / the preparation: Coatings

1.3 Distributor/Manufacturer:

Shenanigans LLC, dba Rainworks
1902 Occidental Ave S
Seattle, WA 98134
E-mail: contact@rain.works

1.4 Ingredient Manufacturer:

Nanex Company
Kleine Bogaardestraat 57
9990 Maldegem
Belgium
E-mail: info@nanexcompany.eu

1.5 Emergency telephone numbers:

Ingredient Manufacturer: +32(0)476 38 67 62
Distributor: +1 (425) 686-8366
In case of emergency call 911 or national equivalent for medical assistance.

2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC: not applicable

Information concerning particular hazards for human and environment: Based on information available to us, the substance/the mixture is not a hazardous substance as defined by the Chemicals Act (ChemG), the Hazardous stances Ordinance, Regulation (EC) No. 1272/2008 and Directive 1999/45/EC in their latest versions. Based on the classification criteria for mixtures according to Regulation (EC) No. 1272/2008, the product is not subject to labeling.
Classification system: The classification complies with current legislation, but is supplemented with information from technical literature and company information.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment PBT: Not applicable
vPvB: Not applicable

3 Composition/information on ingredients

3.1 Substances: not applicable. This product is a mixture

3.2 Chemical characterisation: Mixtures

Description: Preparation of modified hybrid materials in aqueous solution for dirt repellent coating.
Dangerous components: Void
Additional information: For information on the wording of the listed risk phrases refer to section 16.

Components of the mixture:

Ingredients	CAS-nbr.
Water	-

Amorphous and Crystalline Silica in proprietary suspension	7631-86-9, 14808-60-7

4 First aid measures

4.1 Description of first aid measures

General information:
If symptoms persist or in case of doubt, seek medical advice.
After inhalation:
Supply fresh air; consult a doctor in case of pain.
After skin contact:
Immediately rinse with water.
After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.
After swallowing:
Rinse mouth with water.
Spit liquid out again.
Give person 3-4 glasses of water.
Do not induce vomiting; call medical help immediately.
If vomiting occurs spontaneously:
Hold the head of the vomiting person low with the body in a prone position in order to avoid aspiration.

4.1 Most important symptoms and effects, both acute and delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:
The product is not combustible and does not support any combustion. Use fire fighting measures suiting the environment.
For safety reasons unsuitable extinguishing agents: No data available

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment:
Wear self-contained respiratory protective device.
Additional information:
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

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6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

6.2 Environmental precautions:

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:

Make sure to recycle or dispose of in suitable receptacles.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes and skin.
Prevent formation of aerosols.
Do not breathe aerosol or vapors.
Information about protection against explosions and fires: Observe the general rules of industrial fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles:
Store in a cool location.
Store in well-ventilated area.
Information about storage in one common storage facility:
Store away from foodstuffs.

Store away from feed.
Further information about storage conditions: None
Storage class: 10-13 other combustible and non-combustible substances

7.3 Specific end use(s)

No further relevant information available

8 Exposure control/personal protection

Additional information about design of technical systems:
Mechanical ventilation/exhaustion is strongly recommended. No further data; see section 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information:
The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures should be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases/fumes/aerosols.
Avoid contact with eyes and skin.
Breathing equipment:
At formation of aerosols and mist: In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.
Protection of hands:
Chemical resistant gloves (EN 374)
The glove material has to be impermeable and resistant to the product/ substance/preparation.
Due to missing tests no recommendation to the glove material can be given for the product / preparation / chemical mixture.
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation
Material of gloves:
Butyl rubber, BR

Nitrile rubber, NBR
Plastic gloves
The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material:
>480 min. (8h)
The above-mentioned times are based on reference values as per EN 374.
Under practical conditions (33 °C – taking into account the body temperature), the maximum wearing time is to be limited to one-third.
The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
Not suitable are gloves made of the following materials:
Leather gloves
Strong gloves
Eye protection:
Safety glasses
Body protection:
Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information:	
Appearance	
Form	Liquid
Colour	Slightly turbid colourless
Odour	Nearly Odourless
Odour threshold	Not determined
pH	Not determined
Change in condition	
Melting point/Melting range	Not determined
Boiling point/Boiling range	> 100 °C
Flash point	Not determined
Flammability (solid, gaseous)	Not applicable

Ignition temperature	
Decomposition temperature	Not determined
Self ignition temperature	Product is not self-igniting.
Danger of explosion	Product does not present and explosion hazard
Explosion limits:	
Lower	Not applicable
Upper	Not applicable
Vapour pressure	Not determined
Density at 20 °C	1.06±0.03 g/cm3
Relative Density	Not determined
Vapour Density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with	
Water	Miscible
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
dynamic at 20 °C	1-10 mPas
kinematic	Not determined

Other Information

No further relevant information available

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications

10.3 Possibility of hazardous reactions

No dangerous reactions known

10.4 Conditions to avoid

No further relevant information available

10.5 Incompatible materials:

No further relevant information available

10.6 Hazardous decomposition products:

No hazardous decomposition products if instructions for storage and handling are followed

11 Toxicological information

Information on toxicological effects

Acute toxicity:
LD/LC50 values that are relevant for classification:
No toxicity data are available for the product itself.
Primary irritant effect:
on the skin: No irritating effect
on the eye: No irritating effect
Sensitization: No sensitizing effects known
Other information (about experimental toxicology):
Carcinogenic, mutagenic effects and adverse effects on reproduction:
Presently available data show no carcinogenic, mutagenic or teratogenic effects.
Sub acute to chronic toxicity:
STOT-single exposure: No data available
STOT-repeated exposure: No data available
Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

12.1 Toxicity

Aquatic toxicity:
No further relevant information available

12.2 Persistence and degradability

No further relevant information available

12.3 Bio accumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water

Do not allow undiluted concentrate or large quantities of it to reach ground water, water course or sewage system. Product is already diluted. Danger to drinking water is possible if large quantities leak into the ground or into watercourse.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects

No further relevant information available

13 Disposal considerations

13.1 Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

European waste catalogue:

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 04 00 wastes from MFSU of adhesives and sealants (including waterproofing products)

08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number: **ADR, ADN, IMDG, IATA Void**	Void
14.2 UN proper shipping name **ADR, ADN, IMDG, IATA Void**	Void
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA· Class Void**	Void

14.4 Packing group **ADR, IMDG, IATA Void**	Void
14.5 Environmental hazards: **Marine pollutant:**	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional Information:	Not dangerous according to the above regulations
UN "Model Regulation":	-

15 Regulatory information

Regulatory status and applicable laws and regulations.

15.1 Specific safety, health and environmental regulations//legislation for the substance or mixture

National regulations
Water hazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Compiler name: Aäron Claeys, copied by Peregrine Church
Information sources: Original MSDS and Specifications of the manufacturers

List of abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent