

MATERIAL SAFETY DATA SHEET

WARRIOR UNIVERSAL SURFACE SHIELD

SECTION 1. PRODUCT IDENTIFICATION

Product Name : Warrior Universal Surface Shield
Product Code : RN-PW3
Catalogue Number : RN-PW3-L, RN-PW3-M, RN-PW3-H
Manufacturer/Supplier : Reinste Nano Ventures Private Limited,
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SECTION 2. INGREDIENTS

PU : Polyurethane
[(Petroleum gases, liquefied : CAS number: 68476-85-7)
(Naphtha (petroleum), hydrodesulfurized heavy : CAS number: 64742-82-1)
(Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
: CAS number: 64742-82-1)
(2-butanone oxime : CAS number: 96-29-7)
(4,5-Dichloro-2-octyl-2H-isothiazol-3-one: CAS number: 64359-81-5)]
Silver : (CAS No.)7440-22-4
Other additional substances in trace amounts

SECTION 3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Translucent
Odor : Slight odor
Percent Volatiles : None
Melting Point : N/A
Solubility in water : Not soluble
Specific gravity : 1.1 – 1.2

SECTION 4. STABILITY AND REACTIVITY

Stability : Stable at ambient temperatures and pressures, will degrade above 300°F (150°C)
Conditions to avoid : None known

SECTION 5. EXPOSURE CONTROLS / PERSONAL PROTECTION EQUIPMENT

Respiratory Protection : None Required
Ventilation : None Required
Protective gloves : Recommended as good practice for industrial safety
Eye Protection : Safety glasses with side shields are recommended as a good practice for industrial safety.
Other Protective Equipment : None required

SECTION 6. HAZARDS IDENTIFICATION

Physical hazards : Aerosol 1 - H222, H229
Health hazards : STOT SE 3 - H336 STOT RE 1 - H372
Environmental hazards : Aquatic Chronic 2 - H411
Hazard pictograms :



Signal word : Danger



National Fire Protection Association (NFPA) Rating :

HEALTH : 0

FLAMMABILITY : 1

REACTIVITY : 0

* Not considered a hazardous material, controlled substance or carcinogen

SECTION 7. TOXICOLOGICAL INFORMATION

Chronic Effects : This material is considered inert

Medical Conditions aggravated by exposure : None known

Long term delayed effects : None known

Ingestion : Not a probable route of exposure

SECTION 8. FIRST AID MEASURES

Eye Contact : Use eyewash, consult physician if accompanied by pain or irritation

Skin Contact : Wash with soap and water if irritation occurs

Inhalation : Move to fresh air if irritation occurs

Ingestion : Induce vomiting as directed by medical personnel

SECTION 9. FIRE FIGHTING MEASURES

Flash point : N/A

Auto Ignition : N/A

Flammable Limits : N/A

Fire extinguishing media : Water spray, foam, CO₂, Dry chemical

Special fire fighting procedures : Evacuate all non-emergency personnel to safe location. Use self contained breathing apparatus. Avoid breathing smoke, fumes or decomposition products. Use water spray to drench. Burning produces intense heat, dense smoke and toxic gases such as CO, NO_x and traces of HCN.

SECTION 10. ACCIDENTAL RELEASE MEASURES

If material is released, pick up and handle as any other inert material.

Water disposal : not considered a hazardous waste.

SECTION 11. HANDLING AND STORAGE

Handling : Open containers in well ventilated areas.

Storage : Store in dry area away from direct sunlight, open flame and heat.

SECTION 12. ECOLOGICAL INFORMATION

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

SECTION 13. TRANSPORT INFORMATION

General : For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

UN proper shipping name

Proper shipping name (ADR/RID) : AEROSOLS

Proper shipping name (IMDG) : AEROSOLS (CONTAINS Naphtha (petroleum), hydro desulfurized heavy, Hydrocarbons, C₉- C₁₂, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

Proper shipping name (ICAO) : AEROSOLS Proper shipping name (ADN) AEROSOLS

Transport hazard class(es)

ADR/RID class : 2.1

ADR/RID classification code : 5F

ADR/RID label : 2.1



IMDG class : 2.1
ICAO class/division : 2.1
ADN class : 2.1
Transport labels
Packing group



ADR/RID packing group : None
IMDG packing group : None
ICAO packing group : None
ADN packing group : None
Environmental hazards

Environmentally hazardous substance/marine pollutant



Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS : F-D, S-U
ADR transport category : 2
Tunnel restriction code : (D)

Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 14. DISPOSAL CONSIDERATIONS

Treatment and disposal must be in accordance with federal, state, provincial and local regulations.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Dir. 2006/8/EC Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 453/2010 (Annex I) Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: Restrictions related to the product: Restriction 3 Restriction 40 Restrictions related to the substances contained: No restriction. REACH Regulation (1907/2006) – All. XVII: N.A. Legislative Decree no. 81 of the 9th of April 2008 Title XI "Dangerous substances - Chapter I - Protection against chemical agents" Directive 2000/39/CE and s.m.i. (Professional threshold limit) Legislative Decree no. 152 of the 3rd of April 2006 and subsequent modifications and additions. (Environmental regulations) Directive 105/2003/CE (Seveso III): N.A.

SECTION 16. DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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