

WALLSHIELD COATING 3824

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Detail : 3824 wallshield coating
Application of the substance / the preparation: Conductive coating
Manufacturer / supplier: Holland Shielding Systems B.V.
Jacobus Lipsweg 124
3316 BP Dordrecht
the Netherlands
phone +31(0)78-2049000
fax +31(0)78-2049008
www.hollandshielding.com
info@hollandshielding.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS number	Proportion
Water	7732-18-5	40-70 %
Graphite	7782-42-5	20-25 %
Carbon Black	1333-86-4	10-15 %
Acrylic polymer	Trade secret	10-15 %
Defoamer	Trade secret	< 1 %
Dispersing agent	Trade secret	< 1 %
Surfactant	Trade secret	< 1 %
Cellulose	9004-62-0	< 1 %
Preservative	Trade secret	< 1 %

3. HAZARDS IDENTIFICATION

Primary route(s) of exposure	Inhalation, skin contact, eye contact, ingestion.
Inhalation	Irritation of respiratory tract, lungs. Prolonged inhalation may lead to mucous membrane irritation, dizziness and/or lightheadedness, headache, nausea, chest pain, coughing, difficulty of breathing, severe lung irritation, pneumoconiosis.
Skin contact	Irritation of skin.
Eye contact	Irritation of eyes. Prolonged or repeated contact can cause tearing of eyes, redness of eyes.
Ingestion	Ingestion may cause mouth and throat irritation, nausea, gastro-intestinal disturbances, abdominal pain.
Medical conditions aggravated by exposure	Eye, skin, respiratory disorders, asthma-like conditions.

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.
Skin contact	Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use.
Eye contact	Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.
Ingestion	If swallowed, obtain medical treatment immediately.

WALLSHIELD COATING 3824

5. FIREFIGHTING MEASURES

Fire extinguishing media	Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire. In closed tanks, water or foam may cause frothing or eruption.
Fire fighting procedures	Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.
Hazardous decomposition or combustion products	Carbon monoxide, carbon dioxide. Sodium oxide, oxides of calcium.

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled	Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Evacuate all unnecessary personnel. Place collected material in proper container. Small spills- use absorbent to pick up residue and dispose of properly.
---	---

7. HANDLING AND STORAGE

Handling and storage	Store between 5°C (41°F) and 35°C (95°F).
Other precautions	Use only with adequate ventilation. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying, or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

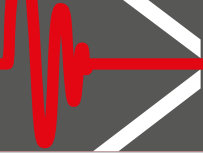
Respiratory protection:	Control environmental concentrations to be below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) approved elastomeric sealing- surface facepiece respirator, outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters.
Ventilation	Provide dilution ventilation or local exhaust to prevent build-up of vapors.
Personal protective equipment	Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Freezing point Delivery form as powder Ready usable as liquid paint	N/A 0°C / 32°F.
Evaporation rate (Water=80)	80
Specific Gravity	1.05- 1.25
Physical State	Delivery form: Powder (-P); Ready usable: Liquid.
pH Level	7.5- 9.0
Color	Black
V.O.C.	N/A

10. STABILITY AND REACTIVITY

Under normal conditions	Stable under normal conditions.
Conditions to avoid	Elevated temperatures, sparks, open flame.
Hazardous polymerization	Will not occur.



WALLSHIELD COATING 3824

11. TOXICOLOGICAL INFORMATION

Health information	No additional effects are anticipated.
Reproductive effects	No reproductive effects are anticipated.
Mutagenicity	No mutagenic effects are anticipated.
Teratogenicity	No teratogenic effects are anticipated.

12. ECOLOGICAL INFORMATION

No ecological testing has been done on this product as a whole. Care should be taken to minimize release of any industrial chemicals into the environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal / Disposal methods	Empty paint containers should be recycled. Dried up leftovers of paint can be disposed of in household waste. Bring liquid leftovers of paint to waste collection centers. Do not dispose of in sink, water, or ground! Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.
-----------------------------------	---

14. TRANSPORT INFORMATION

DOT Hazard Class	Not regulated per DOT.
------------------	------------------------

15. REGULATORY INFORMATION

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

The information contained herein relates only to specific materials identified. Holland Shielding Systems BV believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Holland Shielding Systems urges persons receiving this information and directions as guidelines, and to make their own determination as to the information's suitability and completeness for their particular application.