

MATERIAL SAFETY DATA SHEET

DATE ISSUED 3/1/2011 | DATE REVISED 9/2/2014 | VERSION 3

NANO STONE – MULTI-PURPOSE

*Classification according to Regulation (EC) N° 1907/2006 [REACH],
Annex II and Regulation EU No. 453/2010 dated 20.05.2010.*

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

1.1
PRODUCT IDENTIFICATION: **NANO STONE – MULTI-PURPOSE**

1.2
RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE
AND USES ADVISED AGAINST
Hydrophobic agent. Surface modifier. For professional use. Stone deep and surface nano-impregnating agent.

USES ADVISED AGAINST: unknown

1.3
DETAILS OF THE SUPPLIER OF THE MATERIAL SAFETY DATA SHEET

Supplier, address: SPECIFY LTD, 272 Bath Street, Glasgow, G2 4JR, Scotland, UK
E-mail/tel: info@specify-uk.com, +44 131 331 5473

1.4
EMERGENCY TELEPHONE NUMBER: In England & Wales NHS 111 - call 111; In Scotland NHS24 – call 111;
In Republic of Ireland - call 01 809 2166

2: HAZARDS IDENTIFICATION

2.1
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Classification according to the Directive of the Council No. 1999/45/EEC: Not classified as dangerous goods.

2.2
LABELLING
Classification according to the Directive 1999/45/EC [DPD]: Not applicable

2.3
OTHER HAZARDS
None known

3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1
SUBSTANCES Not applicable

3.2
MIXTURES

HAZARDOUS INGREDIENTS OF THE MIXTURE (EC) 1272/2008

Name of the product/ingredient	Identification	%	Classification
1-Propanamine, 3-(trimethoxysilyl)-, Polymer with Trimethoxy (3,3,4,4,5,5,6,6,6-nonafluorohexyl) silane	608293-16-9	< 1	Xi, R41

FULL TEXT EXPLAINING PHRASES R and H – SECTION 16

4: FIRST-AID MEASURES

4.1

DESCRIPTION OF FIRST AID MEASURES:

Should any alarming symptoms develop, call the physician immediately or take the affected person to the hospital, show the material safety data sheet and the preparation packaging or label.

Rescuers must be protected with appropriate personal protection equipment– *see point 8*.

Inhalation: Take the affected person out of the contaminated atmosphere, ensure rest, protect against heat loss. If symptoms of airway irritation or other symptoms of poisoning develop, call the physician. Apply artificial respiration if breathing is stopped or irregular.

Eye contact: Remove contact lenses. Wash eyes with large amounts of cool, preferably running water for at least 15 minutes (with open eyelids), avoid strong water jet as this poses risk of mechanical damage to cornea, in case of one eye contamination protect the other eye from contamination during washing. If eyes irritation develops, seek medical attention – seek medical attention of an ophthalmologist.

Warning ! Persons at risk of eye contamination should be instructed to rinse eyes immediately and how to rinse them in the event of exposure.

Skin contact: Take off contaminated clothes and shoes (must be thoroughly cleaned and washed before next use). Clean the contaminated skin with large amounts of running water immediately. If skin irritation develops, seek medical attention.

Swallowing: If the affected person is fully conscious, she/he should rinse out the oral cavity thoroughly with water and drink some plain water. If poisoning symptoms develop, contact a physician, show him/her the material safety data sheet, packaging or label. Ensure rest and protect from loss of body heat.

WARNING ! Place an unconscious patient in the recovery position, ensure rest, protect against heat loss, control breath and pulse. Never give anything to an unconscious or knocked-out person orally.

4.2

MAJOR ACUTE AND DELAYED SYMPTOMS AND EFFECTS OF EXPOSURE

Symptoms none known

Risk types none known

4.3

INDICATIONS FOR ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL CONSIDERATIONS FOR HANDLING AN AFFECTED PERSON.

No data available

5: FIRE-FIGHTING MEASURES

5.1

EXTINGUISHING MEDIA

Suitable extinguishing media: foam, carbon dioxide, dry chemical extinguishing powder, mist.

Unsuitable extinguishing media: No data available.

5.2

SPECIAL RISKS ASSOCIATED WITH THE SUBSTANCE OR MIXTURE

Risk caused by the substance or mixture: none

Hazardous thermal decomposition products: In the event of fire, toxic gases may be produced: carbon oxides, hydrogen fluoride, fluorophosgene, toxic decomposition products

5.3

INFORMATION FOR THE FIRE SERVICE:

Equipment isolating the airway, independent from the surrounding air.

Special protective equipment for firefighters: respiratory protective devices.

Additional information: Inform people in the surroundings about the fire. Evacuate from the affected area all persons that are not participating in the firefighting action. Call the National Fire Service and, if necessary, the State Police, the nearest area authorities and the nearest chemical emergency response team.

6: ACCIDENTAL RELEASE MEASURES

6.1
PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND PROCEDURES IN EMERGENCY SITUATIONS
 Inform people in the surroundings about the emergency, evacuate from the affected area all persons that are not participating in the emergency response action; persons participating in the rescue operation must be trained and equipped with suitable PPE (see point 8)

6.2
ENVIRONMENTAL PRECAUTIONS
 Do not allow the preparation to penetrate into the sewerage system; protect drains. Prevent contamination of surface water and groundwater or lower areas.

6.3
METHODS AND MATERIALS TO PREVENT SPREADING OF THE CONTAMINATION AND FOR REMOVING THE CONTAMINATION
 Cover the spilled liquid with an inert absorbent (e.g. sand, soil, universal absorbent, sawdust), put it into a labeled, closable container and send for utilization, follow the guidelines presented in point 13.

6.4
REFERENCES TO OTHER SECTIONS
 For information on the appropriate personal protection equipment, please see section 8.
 Information on additional waste treatment is provided in section 13.

7: HANDLING AND STORAGE OF THE SUBSTANCES AND MIXTURES

7.1
PRECAUTIONS FOR SAFE HANDLING
 Avoid direct contact of the preparation with skin and eyes; do not inhale vapours and aerosols; ensure efficient air exchange; use personal protective equipment (see point 8). Avoid situations that may result in accidental consumption of the product, do not eat, drink and smoke while working with the preparation except for places designated for this purpose, wash your hands during breaks and once you finish working with the product.

7.2
CONDITIONS FOR SAFE STORAGE INCLUDING ANY MUTUAL INCOMPATIBILITIES
 The product must be stored in cool, dry and well-ventilated rooms, protected against cold and frost; avoid temperatures below 5°C. Store the product in tightly closed and properly labeled original producer packaging. Protect the container against mechanical damage, keep containers already opened in vertical position in order to prevent leaks – ensure access to the equipment necessary in the event of leaks or fire of the substance. Do not store with food, feed and beverages.

7.3
SPECIAL END-USE
 Impregnation and preservation of mineral surface.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1
CONTROL PARAMETERS

Name of product/component	exposure limits
silane	Regulation of the Minister of Labor and Social Policy (Poland, 7/2009).
	NDS: not established
	NDSCh: not established

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8.2

EXPOSURE CONTROL

Respiratory Protection: In the event the limits permissible for a workplace are exceeded, and it is possible that vapors or aerosols may be inhaled, apply suitable respiratory protection permitted for a given purpose.

Eye and face protection: safety goggles

Protection of hands: protective gloves (butyl, pierce time >4 h)

Other equipment: protective clothing

Technical protective measures: ventilation in a closed room

Recommendations concerning monitoring of the content of hazardous elements in the air: when the concentration of the substance is determined and known, appropriate personal protection equipment should be chosen taking into account the concentration of the substance at a workstation, exposure time and actions taken by an employee. In an emergency situation, if the concentration of the substance at the workstation is not known, use personal protective equipment. The employer is obliged to ensure that appropriate PPE as well as working clothing and boots have adequate protective properties and performance, and ensure their proper washing, maintenance, repair and decontamination.

Other: do not eat, drink or smoke at workstations.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

form	liquid
colour	milky/white
odour	own/gentle
odour threshold	not determined
pH	4,5 - 5 (1000 g/l) (20 °C)
initial boiling point	not determined
ignition temperature:	> 95°C
self-ignition temperature	not determined
melting/freezing point	not determined
decomposition temperature	not determined
evaporation rate	not determined
flammability (solid body, gas)	not classified as a flammable product
thermal decomposition	no tests performed
lower explosion limit	not applicable
Upper explosion limit	not applicable
vapour pressure	not determined
vapour density	not determined
density	> 1,0 g/cm ³ (20 °C)
water solubility	miscible
viscosity	> 2 mPa.s (20 °C)
Partition coefficient n-octanol/water	(-0,32) for ethanol
oxidising properties	not determined
explosive properties	not determined

9.2

OTHER INFORMATION

no additional data

10: STABILITY AND REACTIVITY

10.1

REACTIVITY

Strong oxidizing substances

10.2

CHEMICAL STABILITY:

stable. During heating fluorophosgene may be liberated.

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10.3
POSSIBILITY OF HAZARDOUS REACTIONS:
no such possibility

10.4
CONDITIONS TO AVOID:
unknown

10.5
INCOMPATIBLE MATERIALS:
unknown

10.6
HAZARDOUS DECOMPOSITION PRODUCTS:
no data available

11: TOXICOLOGY INFORMATION

11.1
INFORMATION ON TOXICOLOGICAL EFFECTS

Doses and concentrations fatal for animals: no data available
Acute toxicity in the event of oral administration not classified as toxic
Acute toxicity when inhaling not classified as toxic
Acute toxicity in the case of skin absorption not classified as toxic
Doses fatal and toxic for people: no data available
Routes of exposure: eyes, the digestive tract
Effects of acute exposure among people no data available
Effects of prolonged exposure: no data available
Remote effects of exposure: the product does not contain any ingredients classified as carcinogenic

Delayed and immediate effects, as well as chronic effects in the case of momentary and long-term exposure:

Momentary contact
Potential immediate effects: no data available
Potential delayed effects: no data available

Long-lasting contact
Potential immediate effects: no data available
Potential delayed effects: no data available

Potentially chronic impact on health: no data available

12: ECOLOGICAL INFORMATION

12.1
TOXICITY
not classified as toxic

12.2
PERSISTENCE AND DEGRADABILITY
partly biodegradable

12.3
ABILITY TO BIOACCUMULATE no data

12.4
MOBILITY IN SOIL
Do not dump to the environment. Prevent contamination of surface water and groundwater or soil.

12.5
RESULTS OF PBT AND vPvB PROPERTIES ASSESSMENT
no data

12.6
OTHER HARMFUL EFFECTS
no data

13: DISPOSAL CONSIDERATIONS

13.1

METHODS OF WASTE DISPOSAL

Product

Methods of disposal:

Utilization of this product, solutions or derivative products should each time comply with environment protection requirements and legislation on waste utilization as well as local authorities' requirements.

Hazardous waste:

none

Packaging

Methods of disposal:

Empty, not cleaned packaging should be disposed in compliance with applicable regulations. Do not discharge into drains. Liquidation of collected garbage should be carried out in compliance with applicable regulations (regulations on sewage see also point 8).

Special precautions:

none

14: TRANSPORT INFORMATION

The product is not classified as hazardous in road, sea or air transport.

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	-	-	-	-
14.2 PROPER SHIPPING NAME UN	-	-	-	-
14.3 HAZARD CLASS (-ES) IN TRANSPORT	-	-	-	-
14.4 PACKAGING GROUPS	-	-	-	-
14.5 HAZARDS FOR THE ENVIRONMENT	-	-	-	-
14.6 SPECIAL PRECAUTIONS FOR USERS	-	-	-	-
14.7 BULK TRANSPORT IN ACCORDANCE WITH ANNEX II OF MARPOL 73/78 CONVENTION AND THE IBC CODE No data available				

15: REGULATORY INFORMATION

15.1

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE**The sheet was prepared in compliance with:**

rules set in Annex II of the Regulation (EC) No. 1907/2006 (REACH) as amended (Regulation of the Commission (EC) No. 453/2010) Commission Regulation (EU) No. 286/2011 of 10 March 2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation of the European Parliament and the Council (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures. Regulation of the Minister of Economy, Labour and Social Policy of 31 March 2003 on basic requirements for personal protection equipment (Journal of Laws of 2003 No. 80, item 725) as amended

- Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws of 2011 No. 63, item 322), as amended.
- Act of 27 April 2001 Environmental Protection Law (Journal of Laws No. 62, item 627, as amended).
- Act of 5.10.2010 on waste (Journal of Laws No. 185 item 1243)
- Act of 28 October 2002 on road transport of hazardous materials (Journal of Laws No. 199, item 1671, as amended).

Regulation of the Minister of Health of 10 August 2012 on the criteria and methods of classification of chemical substances and their mixtures (Journal of Laws No. 2012, item 1018).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 - Official Journal of the EU of 31 December 2008.

Regulation of the Minister of Labour and Social Policy dated 29 November 2002 on the maximum permissible concentrations of agents hazardous to health in working environment (Journal of Laws 2002 No. 217 item 1833) as amended.

- Act of 31 March 2004 on rail transport of hazardous materials (Journal of Laws No. 97, item 962, as amended).
- Act of 11 May 2001 on packaging and waste packaging (Journal of Laws of 2001, No. 63, item 638 as amended)

15.2

CHEMICAL SAFETY ASSESSMENT

The product has not undergone the chemical safety assessment.

16: OTHER INFORMATION

All sections were adjusted to meet requirements of the Commission Regulation (EU) No. 453/2010.

Full text of R-phrases :

R41 - Risk of serious eye damage.

Full text of the classification [DSD/DPD] :

Xi - Irritant

Information provided in this Material Safety Data Sheet is based on current knowledge and applicable legal regulations of the EU and individual countries. This product must not be used for purposes other than specified in section 1, without obtaining written instructions how to apply it beforehand. In all cases the user is responsible for performing all the activities required by local rules and regulations. This Material Safety Data Sheet describes safety requirements that concern our product. However, it should not be treated as a guarantee of the product's properties. The Safety Data Sheet was modified on 09.02.2014 and the modifications supersede all previous information.