

1 Identification of the substance/mixture and of the company/undertaking**Product identifier**

Product Name	STICKY NANO (FOAMDO, FOAMMIX, FOAMSAM, FOAMTUB)
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Please consult manufacturer.
Uses advised against	Please consult manufacturer.

Details of the supplier of the Safety Data Sheet

Name of the company	Excelligence Learnig Corporation / Discount School Supply
Address of the company	20 Ryan Ranch Rd, Suite 200, Monterey, CA 93940
Post code	
Telephone number	(800) 627-2829
Fax number	—
E-mail address	

Emergency phone number

Emergency phone number	/
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2 Hazards identification**CLP classification according to Regulation (EC) No. 1272/2008**

According to Regulation (EC) No 1272/2008 and its amendments. Not classified as a dangerous substance.

Label elements

Hazard pictograms	Not applicable
Signal word	Not applicable

Hazard statements

Hazard statements	Not applicable
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Precautionary statements

- ◆ Prevention

Prevention	Not applicable
◆ Response	
Response	Not applicable
◆ Storage	
Storage	Not applicable
◆ Disposal	
Disposal	Not applicable
 Other hazards	
	Not applicable

3 Component

Component	Cas No.	EC No.	Index No.	Hazard classification according to CLP	Concentration (weight percent, %)
Poly(isobutylene)	9003-27-4	618-360-8	-	Not Classified	47.25
White oil	8042-47-5	232-455-8	-	Not Classified	42.65
Expandable polystyrene	9003-53-6	500-008-9	-	Flammable Liquids, Category 3, H226; Skin Corrosion/Irritation, Category 2, H315; Serious Eye Damage/Irritation, Category 2A, H319; Acute Toxicity – Inhalation, Category 4, H332	9.8
Titanium(IV) oxide	13463-67-7	236-675-5	-	Not Classified	0.3
Pigment Yellow 151	31837-42-0	250-830-4	-	Not Classified	
Pigment Blue 27	12240-15-2	-	-	Not Classified	
Pigment Red 122	980-26-7	213-561-3	-	Not Classified	
Phthalocyanine Green G	1328-53-6	215-524-7	-	Not Classified	
Iron oxide black	12227-89-3	235-442-5	-	Not Classified	

4 First aid measures

| Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	No harm in general situation. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Call a physician immediately.

*Prepared according to EU regulation No. 2015/830

Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

| Most important symptoms and effects, both acute and delayed

1	Please see section 11.
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| Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Firefighting measures

| Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

| Specific hazards arising from the substance or mixture

1	May expansion or decompose explosively when heated or involved in fire.
2	Development of hazardous combustion gases or vapor possible in the event of fire.

| Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Suppress (knock down) gases/vapor/mists with water spray.

6 Accidental release measures

| Personal precautions, protective equipment and emergency procedures

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapours, mist or gas.

| Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

| Methods and materials for containment and cleaning up

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7 Handling and storage

| Precautions for handling

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Avoid contact with eyes.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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◆ Measures to prevent aerosol and dust generation

1	Not applicable.
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◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

| Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

| Specific end uses

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
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8 Exposure controls/personal protection

| Control parameters

◆ Occupational Exposure limit values

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Titanium(IV) oxide 13463-67-7	USA - OSHA	-	15	-	-
	South Korea	-	10	-	-
	Ireland	-	10	-	-
	France	-	11	-	-
	Denmark	-	6	-	12
	Australia	-	10	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Poly(isobutylene) 9003-27-4	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
White oil 8042-47-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Expandable polystyrene 9003-53-6	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Titanium(IV) oxide 13463-67-7	Inhalation	No data available	No data available	10 mg/m ³	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pigment Yellow 151 31837-42-0	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pigment Blue 27 12240-15-2	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Pigment Red 122 980-26-7	Inhalation	No data available	No data available	3 mg/m ³	147 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Phthalocyanine Green G 1328-53-6	Inhalation	No data available	No data available	No data available	4 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Iron oxide black 12227-89-3	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available


◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
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| Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.
4	Handle in accordance with good industrial hygiene and safety practice.

| Personal protection equipment

General requirement	
Eye protection	In general situation, eye protection is not needed. In the production process, when contacting with vapour, tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand protection	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	In general situation, respiratory protection is not needed. If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	In general situation, skin and body protection are not needed.

9 Physical and chemical properties

| Physical and chemical properties

Appearance	Liquid
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup, °C)	No information available
Evaporation rate	No information available
Flammability	Not flammable
Upper/lower explosive limits[% (v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	No information available
Vapor density(Air = 1)	No information available

Relative density(Water= 1)	No information available
Solubility(mg/L)	Partly miscible with water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity(mm ² /s)	No information available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

10 Stability and reactivity

| Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Strong oxidizing agent.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

| Acute toxicity

Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Pigment Red 122	980-26-7	>23000mg/kg(Rat)	>3000mg/kg(Rabbit)	No information available

| Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	9003-27-4	Poly(isobutylene)	Not Listed	Not Listed
2	8042-47-5	White oil	Not Listed	Not Listed
3	9003-53-6	Expandable polystyrene	Category 3	Not Listed
4	13463-67-7	Titanium(IV) oxide	Category 2B	Not Listed
5	31837-42-0	Pigment Yellow 151	Not Listed	Not Listed
6	12240-15-2	Pigment Blue 27	Not Listed	Not Listed
7	980-26-7	Pigment Red 122	Not Listed	Not Listed

8	1328-53-6	Phthalocyanine Green G	Not Listed	Not Listed
9	12227-89-3	Iron oxide black	Not Listed	Not Listed

| Others

STICKY NANO	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

| Acute aquatic toxicity

Acute aquatic toxicity	No information available
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| Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
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| Persistence and degradability

Component	Cas No.	Persistence (water/soil)	Persistence (air)
Titanium(IV) oxide	13463-67-7	High	High
Poly(isobutylene)	9003-27-4	Low	Low
Expandable polystyrene	9003-53-6	High	High

| Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	comments
Phthalocyanine Green G	1328-53-6	Low	BCF=74
Titanium(IV) oxide	13463-67-7	Low	BCF=10
Poly(isobutylene)	9003-27-4	Low	Log K _{OW} =2.2256
Expandable polystyrene	9003-53-6	Medium	BCF=821

| Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K _{OC})
Titanium(IV) oxide	13463-67-7	Low	23.74
Poly(isobutylene)	9003-27-4	Low	35.04
Expandable polystyrene	9003-53-6	Low	517.8

Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Poly(isobutylene)	9003-27-4	not PBT/vPvB
White oil	8042-47-5	not PBT/vPvB
Expandable polystyrene	9003-53-6	not PBT/vPvB
Titanium(IV) oxide	13463-67-7	not PBT/vPvB
Pigment Yellow 151	31837-42-0	not PBT/vPvB
Pigment Blue 27	12240-15-2	not PBT/vPvB
Pigment Red 122	980-26-7	not PBT/vPvB
Phthalocyanine Green G	1328-53-6	not PBT/vPvB
Iron oxide black	12227-89-3	not PBT/vPvB

13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section 13.1 and 13.2.

14 Transport information

Label and Mark

Transporting Label	Not applicable
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IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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ICAO/IATA-DGR

ICAO/IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
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UN-ADR

UN-ADR | NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15 Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(isobutylene)	×	√	√	√	√	√	√	√	√
White oil	√	√	√	√	√	√	√	√	×
Expandable polystyrene	√	√	√	√	√	√	√	√	√
Titanium(IV) oxide	√	√	√	√	√	√	√	√	√
Pigment Yellow 151	√	√	√	√	√	√	√	√	×
Pigment Blue 27	×	×	×	√	√	√	×	√	√
Pigment Red 122	√	√	√	√	√	√	√	√	√
Phthalocyanine Green G	√	√	√	√	√	√	√	√	√
Iron oxide black	√	√	√	√	√	√	√	√	√

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

【ENCS】 Existing And New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G
Poly(isobutylene)	×	×	×	√	×	×	×
White oil	×	×	×	√	√	×	×
Expandable polystyrene	×	×	×	√	×	×	×
Titanium(IV) oxide	×	×	×	√	√	√	×
Pigment Yellow 151	×	×	×	√	√	×	×
Pigment Blue 27	×	×	×	√	×	×	×
Pigment Red 122	×	×	×	√	√	×	×
Phthalocyanine Green G	×	×	×	√	√	×	×

Iron oxide black	x	x	x	√	x	x	x
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- 【A】 Candidate list of Substances of Very High Concern for authorization under EU REACH regulation
- 【B】 Substances requiring authorisation under EU REACH regulation
- 【C】 Substances restricted under EU REACH
- 【D】 Pre-registered substances under EU REACH
- 【E】 Registered substances under EU REACH
- 【F】 Substance Evaluation – CoRAP under EU REACH
- 【G】 List of priority substances under EU water policy (Directive 2455/2001/EC)

Note

- "√" Indicates that the substance included in the regulations
- "x" That no data or included in the regulations

16 Others

| Information on revision

Creation Date	2019/12/31
Revision Date	2019/12/31
Reason for revision	-

| Reference

- [1]IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2]IARC, website: <http://www.iarc.fr/>.
- [3]OECD: The Global Portal to Information on Chemical Substances, website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.
- [4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5]NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7]U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

| Abbreviations and acronyms

- CAS** –Chemical Abstracts Service
- PC-STEL**- Short term exposure limit
- DNEL** - Derived No Effect Level
- RPE** - Respiratory Protective Equipment
- LC₅₀** - Lethal Concentration 50%
- NOEC** -No Observed Effect Concentration
- PBT** - Persistent, Bioaccumulative, Toxic
- CMR** - Carcinogens, mutagens or substances toxic to reproduction
- PC-TWA** - Time Weighted Average
- IARC** - International Agency for Research on Cancer
- PNEC** –Predicted No Effect Concentration
- LD₅₀** - Lethal Dose 50%
- EC₅₀** - Effective Concentration 50%
- POW** - Partition coefficient Octanol: Water

Product: STICKY NANO

Document No.: MSDS_0319123004a

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***Prepared according to EU regulation No. 2015/830**

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BCF - Bioconcentration factor (BCF)**vPvB** - very Persistent, very Bioaccumulative**IMDG**-International Maritime Dangerous Goods**ICAO/IATA**-International Civil Aviation Organization/International Air Transportation Association**UN**-The United Nations**ACGIH**-American Conference of Governmental Industrial Hygienists**NFPA**-National Fire Protection Association**OECD**-Organization for Economic Co-operation and Development**| Disclaimer**

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.