



Smart Smartex Emulsion

General Purpose Emulsion Paint

1 Litre, 7 Litres & 18 Litres




Version No. : 1.1.1

Issue Date: 17/02/2021

Safety Data Sheet according to CLASS requirement

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING	
Product Identifier	
Product Name	Smart Smartex Emulsion - Std /Sp Colour
Product Code	SP6-STD/SP
Chemical Name	Not Applicable
Chemical Formula	Not Applicable
Other means of Identification	Std Colour
CAS Number	Not Applicable
Relevant use of the chemical and restriction	
Relevant identified uses	Use according to manufacturer's directions
Details of manufacturer / importer	
Registered Company Name	SMART PAINT MANUFACTURING SDN BHD (1031014-A)
Address	No. 9 & 11, Jalan Indah Gemilang 5, Taman Perindustrian Gemilang, 81800 Ulu Tiram, Johor, Malaysia.
Telephone	+607-863 9855
Fax	+607-861 5055
Email	info@smart-paints.com
Web	http://www.smart-paints.com
Emergency telephone number	
Association / Organisation	Not Applicable
Emergency telephone number	Not Applicable
Other emergency telephone number	Not Applicable

SECTION 2 HAZARDS IDENTIFICATION	
Classification of the substances or mixture	
GHS Classification	<p>Physical Hazard - Not Classified</p> <p>Health Hazard Acute Toxicity Oral - Category 4 Skin Sensitization - Category 1</p> <p>Environment Hazard Hazardous To The Aquatic Environment – Chronic Hazard - Category 3</p>
Label elements	
GHS label elements	
Signal word	
Hazard statement(s)	
H302	Harmful if swallowed
H312	Harmful if in contact with skin
H412	Harmful to aquatic life with long lasting effects.
Precautionary statement(s) Prevention	
P264	Wash affected hand and skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection / face protection.

SECTION 2 HAZARDS IDENTIFICATION

Precautionary statement(s) Response

P301+P312	IF SWALLOWED : Call a POISON CENTER or doctor/ physician if you feel unwell.
P330	RINSE mouth.
P302+P352	IF ON SKIN : Wash with plenty of soap and water.
P363	Wash contaminated clothing before reuse.

Precautionary statement(s) Disposal

P501	Dispose of content/ container to appropriate waste site or reclaimer in accordance with local or national regulations.
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SECTION 3 COMPOSITION / INFORMATION OF INGREDIENTS

CAS number	% [weight]	Name
-	7-10	Polymeric dispersion
-	>50.0	Extender
55965-84-9	>0.3	5-chloro-2-methyl-2H-isothiazol-3-one
000124-68-5	0.2	Alkanolamine
-	Balance	Substances determined to be non-hazardous

SECTION 4 FIRST AID MEASURES

Description of first aid measure

Eye contact	<ul style="list-style-type: none"> Spashes in the eye must be washed out immediately with clean water for several minutes. Seek for medical attention.
Skin contact	<ul style="list-style-type: none"> The skin should be washed with water before the emulsion dries, contaminated clothing must be removed to avoid discomfort from adhering paint. Some dried paint films that cannot be washed off the dried paint can be removed with skin cleanser. SOLVENTS MUST NOT BE USED.
Inhalation	<ul style="list-style-type: none"> Discomfort due to the vapours of the residual monomer etc is unlikely to occur, but can easily be relieved by breathing fresh air.

SECTION 5 FIREFIGHTING MEASURES

Suitable Fire Extinguishing Media :

The emulsion will not burn until water has evaporated for residual solid : Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturers recommended techniques.

Special Protective Actions For Fire Fighters:

No special fire fighting arrangements are necessary.

Specific Hazards Arising From The Chemical :

Non combustible.
Not considered a significant fire risk, however containers may burn.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedure

Eye /skin protection : Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available. Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Wear a face shield and chemical resistant clothing such as rubber apron when splashing is likely.

Respiratory Protection : Not required.

Ventilation : General room ventilation is expected to be satisfactory.

Environment Precaution

Although leakages/ spillages present little hazards, in the interests of preventing slippery or dangerous surfaces, they should be dealt with as soon as possible. Major spills should be collected for disposal. Minor spills may be flushed to a sewer if local regulations permit.

Methods And Materials For Containments And Clean Up

Contain spills immediately with inert materials(eg: sand, earth). Transfer liquids and solid material to separate suitable containers for recovery or disposal

SECTION 7 HANDLING AND STORAGE

Precautions For Safe Handling

Avoid smoking and use of open fire. Avoid breathing vapours.

Condition For Safe Storage ,including Any Incompatibilities

Store in tightly closed original container in well-ventilated area. Avoid expose to direct sunlight.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters/ Occupational Limits

Ingredient/Bahan	ACGIH TLV-TWA		OSHA PEL-TWA	
	ppm	mg/m3	ppm	mg/m3

APPROPRIATE ENGINEERING CONTROL MEASURES

If user operations generate dust, fumes, gas, vapours or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

PERSONAL PROTECTION

Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended : Full mask with type Cartridge filter.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products I a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

Eye protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Recommended : Safety glasses with side-shields.

Skin/ Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended : Wear protective clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance / colour	Liquid /White or depends on colours in catalogue
Odour	Not Applicable
Solid	46.0 - 54.0%
Specific Gravity (@ 25°C)	1.32 - 1.51
Viscosity (Ku)	110.0 – 120.0
*Boiling Point	Not applicable
*Melting Point	Not applicable
*Vapour Pressure (@ 20°C)	Not applicable
Vapour Density (101.3 kPA / air=1)	Not applicable
Evaporation Rate (n - Butyl Ether=1)	Not applicable
Solubility	Soluble in water

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY

No dangerous reaction known under condition of normal use.

CHEMICAL STABILITY

Stable under normal temperature conditions and recommended use.

POSSIBILITY OF HAZARDOUS REACTION

Under normal conditions of storage and use, hazardous reaction will not occur.

CONDITIONS TO AVOID

Heat, flame, sparks.
Nitric acid, sulfuric acid, strong oxidizing agents.
Electrostatic accumulation hazard? If Yes, use proper grounding procedure.

HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decompositions products should not be produced.

SECTION 11 TOXICOLOGY INFORMATION

There is no data available on the product itself.

Toxicological information of hazardous ingredients :

Acute toxicity : Not Classified
Skin corrosion/ irritation : No Data
Serious eye /damage irritation : Not Classified
Respiratory sensitization : Not Classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not Classified
Reproductive toxicity : Not Classified
Specific target organ toxicity (single exposure) : Not Classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Symptoms/injuries after inhalation : Not classified
Symptoms/injuries after skin contact : No data
Symptoms/injuries after eye contact : Not Classified
Symptoms/injuries after eye ingestion : Not data
Chronic symptoms : Not Classified

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity

No data available.

Persistence And Degradability

No information available.

Bioaccumulative Potential

Accumulation in aquatic organisms is unlikely.

Mobility In Soil

Potential for mobility in soil.

Other Adverse Effects

Do not allow product to reach ground water, water course or sewage system.

Ingredient	Fish 96 hour, LC50	Crustacea 48 hour, EC50	Inh (Gas)LC50
5-chloro-2-methyl-2H-isothiazol-3-one	0.19mg/l	0.16mg/l	0.003 mg/l
Alkanolamine	11800mg/l	609.88mg/l	216-512 mg/l

SECTION 13 DISPOSAL INFORMATION

Waste Disposal :

Recover or recycle if possible. Otherwise dispose in accordance with all applicable with all applicable national environment laws and regulations.

Product Disposal:

This product when dispose of in its unused and uncontaminated state should be treated as a hazardous waste.

Container Disposal :

Drain container thoroughly. Rinse three times with suitable solvent. Treat rinsing as for product disposal. After draining, vent in a safe place away from sparks and fire. Send drum recoverer or metal reclaimer. Residue may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Keep container labelled until cleaned and then remove or deface labels.

SECTION 14 TRANSPORT INFORMATION

Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for air.

LAND TRANSPORT

Classified as None Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous Goods (RID) by Rail.

UN Number : N/R

Class : N/R

Packaging Group : N/R

SEA TRANSPORT

Classified as None Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for the transport of Sea.

UN Number : N/R

Class : N/R

Packaging Group : N/R

Marine Pollutant : No

SEA (Annex II of MARPOL 73/78 and the IBC Code) : Not Applicable

AIR TRANSPORT

Classified as None Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for the transport by Air.

UN Number : N/R

Class : N/R

Packaging Group : N/R

SECTION 15 REGULATORY INFORMATION

Applicable national regulations :

- a) OSHA 1994 and relevant regulation
- b) Factories and Machinery Act 1967 and relevant regulations
- c) Environment Quality Act 1967 and regulations.
- d) Pesticide Act 1974 and regulations
- e) Occupational Safety and Health (Classification, Labelling And Safety Data Sheet of Hazardous Chemicals) Reg 2013
- f) Industry Code Of Practice (On Chemicals Classification And Hazard Communication

SECTION 16 OTHER INFORMATION

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ABBREVIATION

ACGIH American Conference of Governmental Industrial Hygienists

TLV Threshold limit value

TWA Time-Weighted Average

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

LD50 Lethal Dose

LC50 Median Lethal concentration

IACR International Agency for Research in Cancer

CAS Registry Numbers Chemical Abstracts Service Registry Numbers

ICOP Industry Code Of Practice on Chemical Classification and Health approved by Minister under section 37 of the Act

C Ceiling Limit

CEIL Ceiling Limit airborne concentration

STEL Short Term Exposure Limit

DNA Data Not Available

N/R Not Regulated

Disclaimer

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