

SAFETY DATA SHEET

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

1.1 Product identifier :

Code: **V70VLE5** Product: **BLUE OLTREMARE SMOOTH GLOSSY CLEARCOAT** Chemistry: **POLYESTER**

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

Intended use : **THERMOSETTING POWDER COATING**

1.3 Details of the supplier of the safety data sheet:

Name: **ARSONSISI ISTANBUL ELEKTROSTATİK TOZ KAPLAMA VE KİMYA SANAYİ TİCARET A.Ş.**

Full address: **Bilezik Sokak, Güneş İş Merkezi No: 1/2 34427 Fındıklı, İstanbul, Türkiye.**

Telephone: 0090 212 – 293 69 84 – 293 41 51 ; Fax: 00 90 212 – 293 76 89

e-mail address of the competent person responsible for the Safety Data Sheet: **levent@arsonsisi.com.tr**

Product distribution by : **Arsonsisi İstanbul Elektrostatik Toz Kaplama ve Kimya Sanayi Ticaret A.Ş.**

1.4 Emergency telephone number:

For urgent inquiries refer to: **0090 216 304 20 92**

2. HAZARDS IDENTIFICATION :

2.1 Classification of the substance or mixture:

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety data sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Danger Symbols: T

R (Risk) Phrases: 20/22-36-43-46-52/53

The full wording of the risk (R) and the hazard (H) phrases is given in section 16 of this sheet.

2.2.Label elements:

Hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments and supplements.

R 20/22 HARMFUL BY INHALATION AND IF SWALLOWED.

R 36 IRRITATING TO EYES.

R 43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.

R 46 MAY CAUSE HERITABLE GENETIC DAMAGE.

R 52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

S 24/25 AVOID CONTACT WITH SKIN AND EYES.

S 29 DO NOT EMPTY INTO DRAINS.

S 37 WEAR SUITABLE GLOVES.

S 45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVISE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

S 53 AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

Restricted to professional users.

Contains: TRIGLYCIDYLISOCYANURATE

2.3 Other hazards : Information not available.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

3.1 Substances:

Information not available.

3.2 Mixtures:

Contains:

Identification	Concentration%	Classification 67/548/EEC	Classification 1272/2008(CLP)
TRIGLYCIDYLISOCYANURATE			
CAS. 2451-62-9	5 - 10	Mutagene Cat.2 R46, R52/53, T 23/25,	Muta. 1B H340, Acute Tox. 3 H331
EC. 219-514-3		Xn R48/22, Xi R41, Xi R43, Note E	Acute Tox. 3 H301, STOT RE H373, Eye Dam 1 H318, Skin Sens..1 H317, Aquatic Chronic 3 H412

INDEX. -

3,9 - BIS(2,4 - DI-TERT-BUTYLPHENOXY) - 2,4,8 - 10 TETRAOXA - 3,9 - DIPHOSPHASPIRO(5,5)UNDECANE

CAS. 26741-53-7 0 - 1

EC. 247-952-5

INDEX. -

T+=Very Toxic(T+), T=Toxic(T), Xn=Harmful(Xn), C= Corrosive(C), Xi= Irritant(Xi), O=Oxidizing(O),
E=Explosive(E), F+= Extremely Flammable(F+), F= Highly Flammable(F), N= Dangeours for the Environment(N)

The full wording of the risk (R) and the hazard (H) phrases is given in section 16 of this sheet.

4. FIRST AID MEASURES:

4.1 Description of First aid measures:

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Immediately wash with plenty of water. Remove all contaminated clothing. Obtain immediate medical attention.
Wash contaminated clothing separately before using them again.

INHALATION: Remove to open air. If breathing is irregular or stopped, administer artificial respiration.
Obtain immediate medical attention.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

For symptoms and effects caused by the contained substances see chap.11.

4.3 Indication of any immediate medical attention and special treatment needed:

Follow doctor's orders.

5. FIREFIGHTING MEASURES:

5.1 Extinguishing media:

SUITABLE EXTINGUISHING MEDIA: The extinction equipment should be of the conventional kind: carbon dioxide, foam, powder and nebulised water.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS: None in particular.

5.2. Special hazards arising from the substance or mixture:

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE.

Do not breathe combustion products(carbon oxide, toxic pyrolysis products, etc.).

5.3 Advice for firefighters:

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE.

Do not breathe combustion products(carbon oxide, toxic pyrolysis products, etc.).

5.3 Advice for firefighters:

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Hardhat with visor, fireproof clothing(fireproof jacket and trousers with straps around arms, legs and waist),work gloves, (fireproof, cutproof and dielectric), a depressurized mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures:

If there are no contraindications, spray powder with water to prevent the formation of dust. Use breathing equipment if powders are released into the air.

6.2 Environmental precautions:

The product must not penetrate the sewer system, surface water, ground water and neighbouring areas.

6.3 Methods and material for containment and cleaning up:

Use mechanical tools to collect leaked product and eliminate the remainder using jets of water. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections:

Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

Store in closed, labelled containers.

7.2 Conditions for safe storage, including any incompatibilities:

Normal storage conditions without particular incompatibilities.

7.3 Specific end use(s):

Information not available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

8.1 Control parameters:

Information not available.

8.2 Exposure controls:

As the use of adequate technical equipment must always take priority over personal protection equipment. Make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protection equipment. Personal protection equipment must comply with the rules in force indicated below.

HAND PROTECTION

Protect hands with Category III (ref. Directive 89/686/EEC and standard EN 374) work gloves such as those in PVA, butyl, fluoroelastomer or equivalent. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be predictable. Gloves' limit depends on the time of exposure.

EYE PROTECTION

Wear hood visor or protective visor together with airtight goggles (ref. standard EN 166).

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear(ref. Directive 89/686/EEC and standard EN 344)
 Wash body with soap and water after removing overalls.

RESPIRATORY PROTECTION

If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear an FFP3 (ref standard EN 141) type half-mask.

The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. The protection provided by masks is in any case limited.

If the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in the event of an emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% volume, wear self-contained, open-circuit compressed air breathing apparatus (ref. standard EN 137) or fresh air hose breathing apparatus for use with full face mask, half mask or mouthpiece (ref standard EN 138).

An emergency eye washing and shower system must be provided.

The product must be used in a closed cycle, in well-aired environments fitting with strong localized aspiration systems (capture-speed > 1,5 m/s), otherwise it is compulsory to use the personal protection equipment indicated and always in well-aired environments fitted with strong localised aspiration systems capture speed >1,5 m/s).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	Solid
Colour	Blue
Odour	Not available
Odour threshold	Not available
pH	Not available
Melting and freezing point	Not available
Boiling point	Not available
Distillation range	Not available
Flash oint	Not available
Evaporation rate	Not available
Flammability of solids and gas	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Specific gravity	1,200 - 1,250 Kg/lit
Solubility	immiscible with water
Partition coefficient: n-octanol/water	Not available
Ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Reactive Properties	Not available

9.2 Other information

Solid content	% 100
Explosion limits (mix air/powder)	35-90 g/m3
Ignition temperature (mix air/powder)	450-600°C
Softening temperature	> 50°C

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions use and storage.

10.4 Conditions to avoid

None in particular, however the usual precautions used for chemical products should be respected.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute effects: Inhalation and ingestion of this product are harmful. This product may irritate mucosas, the upper respiratory tract, eyes and skin. Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Ingestion of even small amounts of this product may cause serious health disorders (stomach pain, nausea, sickness, diarrhoea).

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: Erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations and exudative phenomena whose intensity varies according to illness seriousness and affected areas.

Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

This product has a mutagenic effect on human beings. Currently available data suggest a cause-effect relationship between human exposure to the substance contained in this product and hereditary gene alterations.

12. ECOLOGICAL INFORMATION

No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach the waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

12.1 Toxicity

Information not available

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

Information not available

12.6 Other adverse effects

Information not available



13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations .

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road(ADR) and by Rail(RID) , of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

Seveso Category : 2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Contained substance : _

Point 29 TRIGLYCIDYLISOCYANURATE

Substances in Candidate(Art. REACH 59) : TRIGLYCIDYLISOCYANURATE

Substances subject to authorisation(Annex XIV REACH) : TRIGLYCIDYLISOCYANURATE

Healthcare controls.

Workers exposed to this health-dangerous chemical agent must undergo sanitary checks carried out in compliance 2004/37/EC directive.

15.2 Chemical safety assessment.

No chemical safety assessment has been processed for the mixture and the substances it contains.

16. OTHER INFORMATION

Text of hazard(H) indications mentioned in section 2-3 of the sheet.

Muta 1 B	Germ cell mutagenicity, category 1B
Acute Toxicity 3	Acute toxicity, category 3
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Dam. 1	Serious eye damage, category 1
Skin Sens. 1	Respiratory / Skin sensitization, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity category 2
Aquatic Chronic 4	Hazardous to the aquatic environment, chronic toxicity category 4
H340	May cause genetic defects < state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H373	May cause damage to organs < or state all organs affected, if known> through prolonged or repeated exposure < state route of exposure if it is conclusively that no other routes of exposure cause the hazard>.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with longlasting effects.
H412	Harmful to aquatic life with longlasting effects.
H413	May cause longlasting harmful effects to aquatic life.



Text of risk(R) phrases mentioned in sections 2-3 of the sheet:

R 20/22	HARMFUL BY INHALATION AND IF SWALLOWED.
R 23/25	TOXIC BY INHALATION AND IF SWALLOWED.
R36	IRRITATING TO EYES.
R 41	RISK OF SERIOUS DAMAGE TO EYES.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R 46	MAY CAUSE HERITABLE GENETIC DAMAGE.
R 48/22	HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE IF SWALLOWED.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONGTERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R52/53	HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONGTERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
R53	MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp.CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. The Merck index – 10th Edition
8. Handling Chemical Safety
9. Niosh – Registry of Toxic Effects of Chemical Substances
10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty – Industrial Hygiene and Toxicology
12. N.I.Sax – Dangerous properties of Industrial Materials -7, 1989 Edition

Note for users:

The information contained in the present sheet is based on our own knowledge on the date of last version.
Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore users must, under their own responsibility, comply with the current health and safety laws and regulations.
The producer is relieved from any liability arising from improper uses.
Changes to previous review:
The following sections were modified.
01 / 02 / 03 / 04 / 05 / 06 / 07/ 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.

This sheet replaces Mod 06 Version 9 UE-6. dated 18/10/2004.

