Safety Data Sheet



LWY512 IDROVER Fondo bianco isolanteTIX EX - White WB primer isolator EX

Safety Data Sheet dated 4/10/2018, version 1

1. Identification

GHS Product identifier

Mixture identification:

Trade name: IDROVER Fondo bianco isolanteTIX EX - White WB primer isolator EX

Other means of identification

Trade code: LWY512

Recommended use and restrictions on use

Recommended use:

Industrial and professional uses (SU3 - SU22)

Varnish for wood

Supplier's details

Company:

NUOVA S.I.V.A.M. SpA - Via Monviso, 10 - 20010 BAREGGIO (MI) - Tel. +39 02 90304.1

Importer:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.
7900 Henri-Bourassa Blvd. W.
Montreal, Quebec, Canada, H4S 1V4
Tel :+1-514-832-4010
Emergency phone number for Canada: Canutec (613) 996-6666

Distributor:

Quincaillerie Richelieu Ltée/Richelieu Hardware Ltd.
7900 Henri-Bourassa Blvd. W.
Montreal, Quebec, Canada, H4S 1V4
Tel :+1-514-832-4010
Emergency phone number for Canada: Canutec (613) 996-6666

Competent person responsible for the safety data sheet:

msds@sivam.it

Emergency phone number

NUOVA S.I.V.A.M. SpA - Tel. +39 02 90304.1 (Monday - Friday 8.00 - 15.00)
Poison Centre - Ospedale di Niguarda - Milan - Tel. +39 02 66101029 (24 h)

2. Hazard identification

Classification of the hazardous product

Aquatic Acute 2, Toxic to aquatic life.

Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:



Hazard statements:

H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

Qty	Name	Ident. Number		Classification
>= 7% - < 10%	Titanium Dioxide	CAS: EC: REACH No.:	13463-67-7 236-675-5 01-2119489379-17	The product is not classified as dangerous according to WHMIS 2015.
>= 1% - < 3%	Acrylic polymer			A.2/2 Skin Irrit. 2 H315
>= 1% - < 3%	Trizinc bis(orthophosphate)	Index number: CAS: EC: REACH No.:	030-011-00-6 7779-90-0 231-944-3 01-2119485044-40	CAN-HAE/A1 Aquatic Acute 1 H400 CAN-HAE/C1 Aquatic Chronic 1 H410
6 ppm	1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	Index number: CAS: EC:	613-088-00-6 2634-33-5 220-120-9	A.2/2 Skin Irrit. 2 H315 A.4.2/1 Skin Sens. 1 H317 A.3/1 Eye Dam. 1 H318 CAN-HAE/A1 Aquatic Acute 1 H400 A.1/4/Oral Acute Tox. 4 H302
3 ppm	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	Index number: CAS:	613-167-00-5 55965-84-9	A.2/1B Skin Corr. 1B H314 A.4.2/1 Skin Sens. 1 H317 A.3/1 Eye Dam. 1 H318 CAN-HAE/A1 Aquatic Acute 1 H400 CAN-HAE/C1 Aquatic Chronic 1 H410 A.1/3/Oral Acute Tox. 3 H301 A.1/3/Dermal Acute Tox. 3 H311 A.1/3/Inhal Acute Tox. 3 H331

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

Treatment:

None

5. Fire-fighting measures

Suitable and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.D. in volume

Oxidizing properties: N.D.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Remove persons to safety.
Use appropriate respiratory protection.
See protective measures under point 7 and 8.
Methods and material for containment and cleaning up
Wash with plenty of water.

7. Handling and storage

Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not use on extensive surface areas in premises where there are occupants.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
Storage temperature:
Store at ambient temperature.

8. Exposure controls/personal protection

Control parameters
Titanium Dioxide - CAS: 13463-67-7
ACGIH - TWA(8h): 10 mg/m3 - Notes: A4 - LRT irr
Trizinc bis(orthophosphate) - CAS: 7779-90-0
TLV TWA - 10 mg/m3
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9
TLV TWA - 0,05 mg/m3
TLV STEL - 0,23 mg/m3
DNEL Exposure Limit Values
Titanium Dioxide - CAS: 13463-67-7
Worker Industry: 10 mg/m3 - Worker Professional: 10 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 700 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Trizinc bis(orthophosphate) - CAS: 7779-90-0
Worker Industry: 5 mg/m3 - Worker Professional: 5 mg/m3 - Consumer: 2.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 83 mg/kg - Worker Professional: 83 mg/kg - Consumer: 83 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 0.83 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)
PNEC Exposure Limit Values
Titanium Dioxide - CAS: 13463-67-7
Target: Fresh Water - Value: 0.127 mg/l
Target: Marine water - Value: 1 mg/l
Target: Intermittent emission - Value: 0.61 mg/l
Target: Freshwater sediments - Value: 1000 mg/kg
Target: Marine water sediments - Value: 100 mg/kg
Target: Microorganisms in sewage treatments - Value: 100 mg/l
Target: Soil (agricultural) - Value: 100 mg/kg
Target: Food chain - Value: 1667 mg/kg

Trizinc bis(orthophosphate) - CAS: 7779-90-0
Target: Fresh Water - Value: 0.02 mg/l
Target: Marine water - Value: 0.006 mg/l
Target: Freshwater sediments - Value: 117.8 mg/kg
Target: Marine water sediments - Value: 56.5 mg/kg
Target: Microorganisms in sewage treatments - Value: 0.1 mg/l
Target: Soil (agricultural) - Value: 35.6 mg/kg

Appropriate engineering controls
None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:
Eye glasses with side protection. (EN166)

Protection for skin:
No special precaution must be adopted for normal use.

Protection for hands:
Suitable gloves type:(EN374)

Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

9. Physical and chemical properties

Appearance and colour:	white fluid
Odour:	typical
Odour threshold:	N.D.
pH:	8.5
Melting point / freezing point:	N.D. °C
Initial boiling point and boiling range:	> 100 °C
Flash point:	N.A.
Evaporation rate:	N.D.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.D.
Vapour pressure:	N.D. (20 °C)
Vapour density:	> 1
Relative density:	1.230 - 1.250
Solubility in water:	miscible
Solubility in oil:	N.D.
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	N.D. °C
Decomposition temperature:	N.D. °C
Viscosity:	N.D.

10. Stability and reactivity

Reactivity
Stable under normal conditions

Chemical stability
Stable under normal conditions

Possibility of hazardous reactions
It may generate flammable gases on contact with elementary metals (alkalis and alkaline earth), nitrides, and powerful reducing agents.
It may catch fire on contact with oxidising mineral acids, elementary metals (alkalis and alkaline earth), nitrides, organic peroxides and hydroperoxides, oxidising agents, and reducing agents.

Conditions to avoid
Stable under normal conditions.

Incompatible materials
None in particular.

Hazardous decomposition products
None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:
IDROVER Fondo bianco isolanteTIX EX - White WB primer isolator EX

a) acute toxicity
Not classified

No data available for the product
b) skin corrosion/irritation
Not classified
No data available for the product
c) serious eye damage/irritation
Not classified
No data available for the product
d) respiratory or skin sensitisation
Not classified
No data available for the product
e) germ cell mutagenicity
Not classified
No data available for the product
f) carcinogenicity
Not classified
No data available for the product
g) reproductive toxicity
Not classified
No data available for the product
h) STOT-single exposure
Not classified
No data available for the product
i) STOT-repeated exposure
Not classified
No data available for the product
j) aspiration hazard
Not classified
No data available for the product

Toxicological information of the main substances found in the product:

Titanium Dioxide - CAS: 13463-67-7
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 425
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 6.8 mg/l - Duration: 4h

Trizinc bis(orthophosphate) - CAS: 7779-90-0
a) acute toxicity:
Test: LC50 - Route: Inhalation Dust - Species: Rat > 5.7 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1193 mg/kg
Test: LD50 - Route: Skin - Species: Rat = 4115 mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9
a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h
Test: LC50 - Route: Oral - Species: Rat = 53 mg/kg

Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
Titanium Dioxide - Group 2B.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
Titanium Dioxide.

12. Ecological information

Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
IDROVER Fondo bianco isolanteTIX EX - White WB primer isolator EX
The product is classified: Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411
Trizinc bis(orthophosphate) - CAS: 7779-90-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.09 mg/l - Duration h: 96
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one - CAS: 2634-33-5
a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.18 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 2.94 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 0.11 mg/l - Duration h: 72

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia = 1.2 mg/l - Notes: 21 d
Endpoint: NOEC - Species: Fish = 0.21 mg/l - Notes: 28 d

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) - CAS: 55965-84-9

a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 0.018 mg/l - Duration h: 72
Endpoint: EC50 - Species: Daphnia = 0.126 mg/l - Duration h: 48
Endpoint: LC50 - Species: Fish = 0.188 mg/l - Duration h: 96

b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Algae = 0.0012 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: NOEC - Species: Daphnia = 0.004 mg/l - Notes: 21d - OECD 211
Endpoint: NOEC - Species: Fish = 0.098 mg/l - Notes: 28d - OECD 210

Persistence and degradability
N.A.

Bioaccumulative potential
N.A.

Mobility in soil
N.A.

Other adverse effects
None

13. Disposal considerations

Safe handling and methods for disposal
Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. Transport information



UN number

TDG number:	UN3082
ADR-UN Number:	3082
DOT number: UN3082	
IATA-UN Number:	3082
IMDG-UN Number:	3082

UN proper shipping name

TDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Trizinc bis(orthophosphate))
ADR-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Trizinc bis(orthophosphate))
DOT-Shipping Name: Environmentally hazardous substance, liquid, n.o.s.(Trizinc bis(orthophosphate))	
IATA-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Trizinc bis(orthophosphate))
IMDG-Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Trizinc bis(orthophosphate))

Transport hazard class(es)

TDG Class:	9
ADR-Class:	9
DOT Hazard Class: 9	
ADR - Hazard identification number:	90
IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9

Packing group

TDG Packing group:	III
ADR-Packing Group:	III
DOT Packing group: III	
IATA-Packing group:	III

IMDG-Packing group: III

Environmental hazards

ADR-Enviromental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant
Most important toxic component: Trizinc bis(orthophosphate)

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

N.A.

Special precautions in connection with transport or conveyance

Rail (RID): 9
TDG Special provisions: 16,99
DOT Special provisions: 8, 146, 173, 335, IB3, T4, TP1, TP29
ADR-Subsidiary risks: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197
IATA-ERG: 9L
IMDG-EmS: F-A , S-F
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -

15. Regulatory information

Safety, health and environmental regulations specific for the product in question

This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.

NPRI - National Pollutant Release Inventory

Substance(s) listed under NPRI:
None.

DSL inventory - Domestic substances list

no substances listed

NDSL inventory - Not Domestic substances list

no substances listed

TSCA inventory

List of substances included in the TSCA inventory:
Titanium Dioxide
Trizinc bis(orthophosphate)
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one
List of substances not included in the TSCA inventory:
Acrylic polymer
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

TSCA listed substances:

Titanium Dioxide is listed in TSCA Section 8b
Trizinc bis(orthophosphate) is listed in TSCA Section 8b
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one is listed in TSCA Section 8b.

USA - Federal regulations

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.
Section 304 – Hazardous substances: no substances listed.
Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:
None.

CWA - Clean Water Act

CWA listed substances:
None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:
Titanium Dioxide - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:
Titanium Dioxide.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:
Titanium Dioxide.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:
Titanium Dioxide.

Volatile Organic compounds - VOCs = 4.46 %
Volatile Organic compounds - VOCs = 55.73 g/l
Volatile CMR substances = 0.00 %
Organic Carbon - C = 0.02

16. Other information

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.

Safety Data Sheet dated 4/10/2018, version 1
Disclaimer:
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.
This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average