Safety Data Sheet
1K2K CLEAR WB INDOOR BASECOAT IRIDEA
Safety Data Sheet dated: 1/30/2025 - version 2
Date of first edition: 9/10/2022

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: 1K2K CLEAR WB INDOOR BASECOAT IRIDEA

Other means of identification:

Trade code: FA44

Recommended use of the chemical and restrictions on use

Recommended use: Paint product for professional/industrial use

Restrictions on use: Uses not foreseen by the recommended uses.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: ICA North America
169 Main Street
West Lorne, ON
N0L 2P0
Canada

Responsable: regulatoryaffairs@icaspa.com N.A.

Emergency telephone number

For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire,
Exposure, or Accident Call CHEMTREC Day or Night
Within USA and Canada: 1 -800-424-9300

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Label elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Dir. 2004/42/EC (VOC directive)

PVE

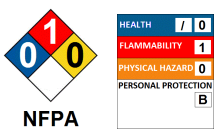
EU limit value for this product (cat. A/E): 130 g/l

This product contains max 79.90 g/l VOC.

Hazards not otherwise classified identified during the classification process:

None

Additional classification information



HMIS Health: 0 = MINIMAL
HMIS Flammability: 1 = Combustible if heated
HMIS Reactivity: 0 = MINIMAL
HMIS P.P.E.: Safety glasses, gloves
NFPA Health: 0 = MINIMAL
NFPA Flammability: 1 = Combustible if heated
NFPA Reactivity: 0 = MINIMAL
NFPA Special Risk: NONE

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

List of components

Qty	Name	Ident. Numb.	Classification	Registration Number
3-10 %	2-butoxyethanol	CAS:111-76-2 EC:203-905-0 Index:603-014-00-0	Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	01-2119475108-36-XXXX
1-3 %	2-(2-Butoxyethoxy)Ethanol	CAS:112-34-5 EC:203-961-6 Index:603-096-00-8	Eye Irrit. 2A, H319	01-2119475104-44-XXXX

4. FIRST AID MEASURES

Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap. Remove contaminated clothing and shoes.

In case of eyes contact:

Wash immediately with water. Obtain a medical examination immediately.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

N.A.

Indication of any immediate medical attention and special treatment needed

N.A.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: No

Oxidizing properties: No

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 persons to safety.

See protective measures under point 7 and 8.

Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

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 eat or drink while working.

See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

Storage temperature: N.A.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Community Occupational Exposure Limits (OEL)

	OEL Type	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
2-butoxyethanol CAS: 111-76-2	EU	C	98	20	246	50	
2-(2-Butoxyethoxy)Ethanol CAS: 112-34-5	EU	C	67.5	10	101.2	15	

Predicted No Effect Concentration (PNEC) values

	PNEC Limit	Exposure Route	Exposure Frequency	Remark
2-butoxyethanol CAS: 111-76-2	3.13 mg/kg	Soil (agricultural)		
	8.8 mg/l	Water		
	0.88 mg/l	Water		
	34.6 mg/kg	Air		
	3.46 mg/kg	Marine water sediments		
2-(2-Butoxyethoxy)Ethanol CAS: 112-34-5	0.4 mg/kg	Soil (agricultural)		
	1 mg/l	Water		
	0.1 mg/l	Water		
	4 mg/kg	Air		
	0.4 mg/kg	Marine water sediments		

Derived No Effect Level (DNEL) values

	Worker Industry	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
2-butoxyethanol CAS: 111-76-2	75 mg/kg		38 mg/kg	Human Dermal	Long Term, systemic effects	
	98 mg/m3		49 mg/m3	Human Inhalation	Long Term, systemic effects	
			3.2 mg/kg	Human Oral	Long Term, systemic effects	
2-(2-Butoxyethoxy) Ethanol CAS: 112-34-5	101.2 mg/m3		50.6 mg/m3	Human Inhalation	Short Term, local effects	
	20 mg/kg		10 mg/kg	Human Dermal	Long Term, systemic effects	
	67.5 mg/m3		34 mg/m3	Human Inhalation	Long Term, systemic effects	
			1.25 mg/kg	Human Oral	Long Term, systemic effects	
	67.5 mg/m3			Human Inhalation	Long Term, local effects	

Appropriate engineering controls: N.A.

Individual protection measures

Eye protection:

Use safety eyewear designed to protect against splash of liquids. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Wear suitable gloves tested to EN374.

Respiratory protection:

N.A.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid
Appearance and colour: Liquid Transparent
Odour: Characteristic
Odour threshold: N.A.
pH: 7.60
Melting point / freezing point: N.A.
Initial boiling point and boiling range: 100 °C (212 °F)
Flash point: > 93°C - ASTM D7236-16a (closed cup)
Evaporation rate: N.A.
Upper/lower flammability or explosive limits: N.A.
Vapour density: N.A.
Vapour pressure: N.A.
Relative density: 1.03 g/ml
Solubility in water: Soluble
Solubility in oil: N.A.
Partition coefficient (n-octanol/water): N.A.
Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Viscosity: N.A.
Explosive properties: No
Oxidizing properties: No
Solid/gas flammability: Data not applicable
VOC content (g/L) in the product (2010/75/EU) 40.38
VOC content % in the product (2010/75/EU) 3.92

Other information

Substance Groups relevant properties N.A.
Miscibility: N.A.
Fat Solubility: N.A.
Conductivity: N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Data not available.

Possibility of hazardous reactions

None.

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 Preparation

a) acute toxicity — Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation	Not classified
	Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified
	Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified
	Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified
	Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified
	Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified
	Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

2-butoxyethanol	a) acute toxicity	LC50 Inhalation Rat 523 ppm 4h	
		LD50 Skin Rat > 2000 mg/kg bw	OCSE 402
		LD50 Oral Rat 1746 mg/kg bw	OCSE 401
2-(2-Butoxyethoxy)Ethanol	a) acute toxicity	LD50 Oral Rat 2410 mg/kg	
	b) skin corrosion/irritation	LD50 Skin Rabbit 2764 mg/kg	

Substance(s) listed on the IARC Monographs:

2-butoxyethanol Group 3

Substance(s) listed as OSHA Carcinogen(s):

None

Substance(s) listed as NIOSH Carcinogen(s):

None

Substance(s) listed on the NTP report on Carcinogens:

None

12. ECOLOGICAL INFORMATION

Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Component	Ident. Numb.	Ecotox Data
2-butoxyethanol	CAS: 111-76-2 - EINECS: 203-905-0 - INDEX: 603-014-00-0	a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 1550 mg/L 48h OCSE 202 - Daphnia
		b) Aquatic chronic toxicity : EC50 Algae Pseudokirchneriella subcapitata = 911 mg/L 72h OCSE 201 - Algae
		a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 1474 mg/L 96h OCSE 203 - Fish

		a) Aquatic acute toxicity : NOEC Fish Brachydanio rerio > 100 mg/L 21d OCSE 204
2-(2-Butoxyethoxy)Ethanol	CAS: 112-34-5 - EINECS: 203-961-6 - INDEX: 603-096-00-8	a) Aquatic acute toxicity : EC50 Daphnia 100 mg/L 48h - Algae
		a) Aquatic acute toxicity : LC50 Fish 100 mg/L 96h - Fish

Persistence and degradability

Component	Persitence/Degradability:	Value
2-butoxyethanol	Readily biodegradable	0
2-(2-Butoxyethoxy)Ethanol	Readily biodegradable	0

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

N.A.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

The product should not be allowed to enter drains, water courses or the soil, including when cleaning painting tools. Recover if possible. In so doing, comply with the local and national regulations currently in force.

CONTAMINATED PACKAGING:

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

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

UN number

ADR-UN number: N/A
DOT-UN Number: N/A
IATA-Un number: N/A
IMDG-Un number: N/A

UN proper shipping name

ADR-Shipping Name: N/A
DOT Proper Shipping Name: N/A
IATA-Technical name: N/A
IMDG-Technical name: N/A

Transport hazard class(es)

ADR-Class: N/A
DOT Hazard Class: N/A
IATA-Class: N/A
IMDG-Class: N/A

Packing group

ADR-Packing Group: N/A
DOT Packing Group: N/A
IATA-Packing group: N/A
IMDG-Packing group: N/A

Environmental hazards

Marine pollutant: No
Environmental Pollutant: N.A.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

Special precautions

Department of Transportation (DOT):

DOT-Special Provision(s): N/A
DOT Label(s): N/A
DOT Symbol: N/A
DOT Cargo Aircraft: N/A
DOT Passenger Aircraft: N/A

DOT Bulk: N/A
DOT Non-Bulk: N/A

Road and Rail (ADR-RID):

ADR exempt: No
ADR-Label: N/A
ADR - Hazard identification number: N/A
ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A
IATA-Cargo Aircraft: N/A
IATA-Label: N/A
IATA-Subsidiary hazards: N/A
IATA-Erg: N/A
IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A
IMDG-Stowage Note: N/A
IMDG-Subsidiary hazards: N/A
IMDG-Special Provisions: N/A
IMDG-EMS: N/A

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15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory:

All component(s) are listed on the TSCA inventory.

TSCA listed substances:

2-butoxyethanol	is listed in TSCA	Section 8d HSDR Section 8b
2-(2-Butoxyethoxy)Ethanol	is listed in TSCA	Section 8b

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

Substance(s) listed under CERCLA:

No substances listed

CAA - Clean Air Act

CAA listed substances:

2-butoxyethanol	is listed in CAA	Section 111
2-(2-Butoxyethoxy)Ethanol	is listed in CAA	Section 111 Section 112(b) - HAP Section 112(b) - HON

CWA - Clean Water Act

CWA listed substances:

No substances listed

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

No substances listed

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

2-butoxyethanol

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

2-butoxyethanol

New Jersey Right to know

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

2-butoxyethanol

16. OTHER INFORMATION

Code	Description
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.

Code	Hazard class and hazard category	Description
A.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
A.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
A.2/2	Skin Irrit. 2	Skin irritation, Category 2
A.3/2A	Eye Irrit. 2A	Eye irritation, Category 2A

Safety Data Sheet dated: 1/30/2025 - version 2

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 document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

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).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

Paragraphs modified from the previous revision:

- 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

EXPOSURE SCENARIO: 2-(2-BUTOXYETHOXY)ETHANOL

Exposure scenario number: 5

Attachment to safety data sheet as per Article 31 (section 7) of (EC) 1907/2006 - REACH regulation

Identified uses of the component **2-(2-Butoxyethoxy)Ethanol**

CAS: 112-34-5 , EC: 203-961-6, INDEX: 603-096-00-8 e Nr. REACH: 01-2119475104-44-XXXX

Product for industrial or professional use in the formulation of thinners, paints, additives and pastes for painting products.

Data of substance

Physical state at 20°C	Liquid
Boiling point	230°C (1.013 hPa)
Vapour pressure	0.02 hPa (20°C)
Biodegradation	Readily biodegradable

Company data

Annual amount per site	36940 Kg
Daily amount per site	157.19 Kg
Yearly days of use	235 days
Duration and frequency of activity	480 min 5 days per week
Average temperature of use	20 °C
Process pressure	Ambient pressure
Local exhaust ventilation	Effectiveness: 70 %
Ventilation rate per hour	7
Wear chemically resistant gloves	Effectiveness: 80 %
Use of substance	Indoor use
Concentration of the substance in the products	Covers percentage substance in the product up to 100 % (unless stated differently).

Environment factors

Emission or release factor in water	0%
Emission or release factor in soil	0%
Dilution factor river	10
Dilution factor coast	100

Sewage treatment plant

Type of plant	Municipal sewage treatment plant

Flow rate of sewage treatment plant	2000 m3/day
Sludge Treatment	Disposal or recovery

General exposure

Adopt good general ventilation norms, both natural by opening doors and windows, and forced ventilation using an elecrtically powered ventilation system.

Ensure that transfers of material are subject to restraining measures or suction ventilation.
Use suitable eye protection. In case of repeated exposure of the skin to the substance, wear protective gloves as per EN 374 norms.

1 - Short title of Exposure Scenario: Distribution of substance

Main User Groups

SU3: Industrial uses

SU22: Professional uses

Process categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4: Chemical production where opportunity for exposure arises

PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC15: Use as laboratory reagent

Environmental release categories

ERC1: Manufacture of the substance

2 - Short title of Exposure Scenario : Formulation & (re)packing of substances and mixtures

Main user groups

SU3: Industrial uses

Sector of end-use

SU10: Formulation

Process Categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4: Chemical production where opportunity for exposure arises

PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC15: Use as laboratory reagent

Environmental Release Categories

ERC2: Formulation into mixture

3 - Short title of exposure scenario: Use in paints and related products

Main users groups

SU3: Industrial uses

Process Categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC4: Chemical production where opportunity for exposure arises

PROC7: Industrial spraying

PROC10: Roller application or brushing

PROC13: Treatment of articles by dipping and pouring

PROC15: Use as laboratory reagent

Environmental Release Categories

ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

4 - Short title of exposure scenario: Use in paints and related products

Main user groups

SU22: Professional uses

Process Categories

PROC10: Roller application or brushing

PROC11: Non industrial spraying

PROC13: Treatment of articles by dipping and pouring

PROC15: Use as laboratory reagent

PROC19: Manual activities involving hand contact

Environmental Release Categories

ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Key

SU	Sector of use category
PROC	Process Categories
ERC	Environmental Release Categories

Note: it is stronlgy advised against uses not covered in the exposure scenario

ICA S.p.A. - Regulatory affairs

Data elaboration: 19/11/2019

Version 1

EXPOSURE SCENARIO : 2-BUTOXYETHANOL

Exposure scenario number: 6

Attachment to safety data sheet as per Article 31 (section 7) of (EC) 1907/2006 - REACH regulation

Identified uses of the component **2-Butoxyethanol**

CAS: 111-76-2 , EC: 203-905-0, INDEX: 603-014-00-0 e Nr. REACH: 01-2119475108-36-XXXX

Product for industrial or professional use in the formulation of thinners, paints, additives and pastes for painting products.

Data of substance

Physical state at 20°C	Liquid
Boiling point	171°C (1.013 hPa)
Vapour pressure	1 hPa (20°C)
Biodegradation	Readily biodegradable (Method OECD)

Company data

Annual amount per site	132605 Kg
Daily amount per site	564.27 Kg
Yearly days of use	235 days
Duration and frequency of activity	480 min 5 days per week
Average temperature of use	20 °C
Process pressure	Ambient pressure
Local exhaust ventilation	Effectiveness: 70 %
Ventilation rate per hour	7
Wear chemically resistant gloves	Effectiveness: 80 %
Use of substance	Indoor use
Concentration of the substance in the products	Covers percentage substance in the product up to 100 % (unless stated differently).

Environment factors

Emission or release factor in water	0%
Emission or release factor in soil	0%
Dimensions of receiving river	18.000 m3/day
Dilution factor river	10
Dilution factor coast	100

Sewage treatment plant

Type of plant	Municipal sewage treatment plant
Flow rate of sewage treatment plant	2000 m3/day
Sludge Treatment	Disposal or recovery

General exposure
Adopt good general ventilation norms, both natural by opening doors and windows, and forced ventilation using an elecrtically powered ventilation system.

Ensure that transfers of material are subject to restraining measures or suction ventilation.
Use suitable eye protection. In case of repeated exposure of the skin to the substance, wear protective gloves as per EN 374 norms.

1 - Short title of Exposure Scenario: Distribution of substance

Main User Groups

SU3: Industrial uses

SU22: Professional uses

Process categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4: Chemical production where opportunity for exposure arises

PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC15: Use as laboratory reagent

Environmental release categories

ERC1: Manufacture of the substance

2 - Short title of Exposure Scenario : Formulation & (re)packing of substances and mixtures

Main user groups

SU3: Industrial uses

Sector of end-use

SU10: Formulation

Process Categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4: Chemical production where opportunity for exposure arises

PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC15: Use as laboratory reagent

Environmental Release Categories

ERC2: Formulation into mixture

3 - Short title of exposure scenario: Use in paints and related products

Main users groups

SU3: Industrial uses

Process Categories

PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC4: Chemical production where opportunity for exposure arises

PROC7: Industrial spraying

PROC10: Roller application or brushing

PROC13: Treatment of articles by dipping and pouring

PROC15: Use as laboratory reagent

Environmental Release Categories

ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

4 - Short title of exposure scenario: Use in paints and related products

Main user groups

SU22: Professional uses

Process Categories

PROC10: Roller application or brushing

PROC11: Non industrial spraying

PROC13: Treatment of articles by dipping and pouring

PROC15: Use as laboratory reagent

PROC19: Manual activities involving hand contact

Environmental Release Categories

ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Key

SU	Sector of use category
PROC	Process Categories
ERC	Environmental Release Categories

Note: it is stronlgy advised against uses not covered in the exposure scenario

ICA S.p.A. - Regulatory affairs

Data elaboration: 26/09/2019

Version 1