SAFETY DATA SHEET
EX-8350

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

1.1. Product identifier

Product name: EX-8350

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

Identified uses: Coating material.

1.3. Details of the supplier of the safety data sheet

Supplier:
COIM S.p.A. Novacote Flexpack
Via Ricengo 21/23
26010 Offanengo (CR)
Italy
phone: +39 0373 2481
fax: +39 0373 789 222
sds@de.coimgroup.com

1.4. Emergency telephone number

COIM SpA, Italy: Tel +39 0373 2481 (24 hours a day), Fax +39 0373 789222

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC): Xi;R36. F;R11. R66, R67.

Human health

See section 11 for additional information on health hazards.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures. Vapours are heavier than air and may travel along the floor and in the bottom of containers.

2.2. Label elements

Labelling

Irritant

Highly flammable

Risk Phrases

R11	Highly flammable
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Safety Phrases

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S43	In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder. Never use water.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.

EX-8350

P14 Contains FORMALDEHYDE ...%. May produce an allergic reaction.

2.3. Other hazards

This product does not contain any PBT or vPvB substances. Risk of fire and explosion.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

BUTANONE >= 25,0 - <35,0%

CAS-No.: 78-93-3 EC No.: 201-159-0 Registration Number: 01-2119457290-43-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
EUH066	Xi;R36
Eye Irrit. 2 - H319	R66
STOT SE 3 - H336	R67

ETHYL ACETATE >= 15,0 - < 25,0%

CAS-No.: 141-78-6 EC No.: 205-500-4 Registration Number: 01-2119475103-46-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
EUH066	Xi;R36
Eye Irrit. 2 - H319	R66
STOT SE 3 - H336	R67

ETHANOL >= 5,0 - < 10,0

CAS-No.: 64-17-5 EC No.: 200-578-6 Registration Number: 01-2119457610-43-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
Eye Irrit. 2 - H319	

Benzoguanamine-Formaldehyde resin, butylated >= 5,0 - < 10,0

CAS-No.: 68002-26-6 EC No.:

Classification (EC 1272/2008)	Classification (67/548/EEC)
Aquatic Chronic 4 - H413	R53.

BUTANOL-norm >= 1,0 - < 5,0%

CAS-No.: 71-36-3 EC No.: 200-751-6 Registration Number: 01-2119484630-38-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H302	Xn;R22
Skin Irrit. 2 - H315	Xi;R37/38,R41
Eye Dam. 1 - H318	R67
STOT SE 3 - H335	
STOT SE 3 - H336	

EX-8350

FORMALDEHYDE ...%		< 0,5%
CAS-No.: 50-00-0	EC No.: 200-001-8	Registration Number: 01-2119488953-20-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Acute Tox. 3 - H301	Carc. Cat. 3;R40
Acute Tox. 3 - H311	T;R23/24/25
Acute Tox. 3 - H331	C;R34
Skin Corr. 1B - H314	R43
Skin Sens. 1 - H317	
Carc. 2 - H351	
STOT SE 3 - H335	

METHANOL		< 0,02%
CAS-No.: 67-56-1	EC No.: 200-659-6	Registration Number: 01-2119433307-44-XXXX

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 2 - H225	F;R11
Acute Tox. 3 - H301	T;R23/24/25,R39/23/24/25
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
STOT SE 1 - H370	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

The product contains organic solvents.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

NOTE! Keep affected person away from heat, sparks and flames! Remove affected person from source of contamination. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation

Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Immediately rinse mouth and drink plenty of water (200-300 ml). Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. NOTE! Effects may be delayed. Keep affected person under observation.

Inhalation

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

Drowsiness, dizziness, disorientation, vertigo. Possible irritation of the mouth, throat and gastro-intestinal apparatus.

Skin contact

Prolonged contact may cause redness, irritation and dry skin. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact

Irritation of eyes and mucous membranes.

EX-8350

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition. Vapours may form explosive mixture with air at room temperature.

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. In case of fire, toxic gases may be formed (COx, NOx). The explosion limits are stated in section 9.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Be aware of danger for fire to re-start. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Use air-supplied respirator during fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Do not contaminate water sources or sewer. Dam and absorb spillage with sand, sawdust or other absorbent. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Container must be kept tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Flammable/combustible - Keep away from oxidisers, heat and flames. Keep containers tightly closed. Keep in original container. Avoid contact with oxidising agents. Take precautionary measures against static discharges. Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

EX-8350

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANOL-norm	WEL			50 ppm(Sk)	154 mg/m3(Sk)	
BUTANONE	WEL	200 ppm(Sk)	600 mg/m3(Sk)	300 ppm(Sk)	899 mg/m3(Sk)	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
ETHYL ACETATE	WEL	200 ppm		400 ppm		
FORMALDEHYDE ...%	WEL	2 ppm	2,5 mg/m3	2 ppm	2,5 mg/m3	
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

EX-8350

METHANOL (CAS: 67-56-1)

DNEL			
Dermal	40	mg/kg/day	
Industry	Inhalation.	260	mg/m3
Dermal	8	mg/kg/day	
Consumer	Inhalation.	50	mg/m3
PNEC			
Sediment	570, 4	mg/kg	
Soil	23, 5	mg/kg	
STP	100	mg/l	
Freshwater	154	mg/l	
Marinewater	15, 4	mg/l	

ETHANOL (CAS: 64-17-5)

DNEL				
Inhalation.	Short Term	Local Effects	1900	mg/m3
Inhalation.	Long Term	Systemic Effects	950	mg/m3
Dermal	Long Term	Systemic Effects	343	mg/kg/day
PNEC				
Freshwater	0, 96	mg/l		
Marinewater	0, 79	mg/l		
Intermittent release	2, 75	mg/l		
STP	580	mg/l		
Sediment (Freshwater)	3, 6	mg/kg		
Sediment (Marinewater)	2, 9	mg/kg		
Soil	0, 63	mg/kg		

BUTANOL-norm (CAS: 71-36-3)

DNEL				
Industry	Inhalation.	Long Term	Local Effects	310 mg/m3
Population exposed via	Oral	Long Term	Systemic Effects	3125 mg/kg/day
Population exposed via	Inhalation.	Long Term	Local Effects	55 mg/m3
PNEC				
Sediment (Marinewater)	0.0178	mg/kg		
Soil	0.015	mg/kg		
Freshwater	0.082	mg/l		
Marinewater	0.0082	mg/l		
Intermittent release	2.25	mg/l		
STP	2476	mg/l		
Sediment (Freshwater)	0.178	mg/kg		

FORMALDEHYDE ...% (CAS: 50-00-0)

DNEL				
Industry	Inhalation.	Long Term	Systemic Effects	9 mg/m3
Industry	Inhalation.	Long Term	Local Effects	0, 5 mg/m3
Industry	Inhalation.	Short Term	Local Effects	1 mg/m3
Industry	Dermal	Long Term	Systemic Effects	240 mg/kg/day
Consumer	Oral	Long Term	Systemic Effects	4, 1 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	3, 2 mg/m3
Consumer	Inhalation.	Long Term	Local Effects	0, 1 mg/m3
Consumer	Dermal	Long Term	Systemic Effects	102 mg/kg/day
PNEC				
STP	0, 19	mg/l		
Freshwater	0, 47	mg/l		
Marinewater	0, 47	mg/l		
Intermittent release	4, 7	mg/l		
Sediment (Freshwater)	2, 44	mg/kg		
Sediment (Marinewater)	2, 44	mg/kg		
Soil	0, 21	mg/kg		

BUTANONE (CAS: 78-93-3)

DNEL				
Industry	Dermal	Long Term	1161	mg/kg/day
Industry	Inhalation.	Long Term	600	mg/m3
Consumer	Dermal	Long Term	412	mg/kg/day
Consumer	Inhalation.	Long Term	106	mg/m3
Consumer	Oral	Long Term	31	mg/kg/day
PNEC				
Freshwater	55.8	mg/l		
Marinewater	55.8	mg/l		
Sediment	(fresh water) 284.74	mg/kg		
Sediment	(sea water) 287.7	mg/kg		
Soil	22.5	mg/kg		

EX-8350

ETHYL ACETATE (CAS: 141-78-6)

DNEL				
Industry	Dermal	Short Term	Systemic Effects	40 mg/kg/day
Industry	Inhalation.	Short Term	Systemic Effects	260 mg/m3
Industry	Dermal	Short Term	Local Effects	n.d.
Industry	Inhalation.	Short Term	Local Effects	260 mg/m3
Industry	Dermal	Long Term	Systemic Effects	40 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	260 mg/m3
Industry	Dermal	Long Term	Local Effects	n.d.
Industry	Inhalation.	Long Term	Local Effects	260 mg/m3
Consumer	Combined	Short Term	Systemic Effects	8 mg/kg/day

PNEC		
Freshwater	0, 26	mg/l
Marinewater	0, 026	mg/l
Release of water at inter	1, 65	mg/l
Sediment (Freshwater)	1, 25	mg/kg
Sediment (Marinewater)	0, 125	mg/kg
Soil	0, 24	mg/kg
STP	650	mg/l

XYLENE (CAS: 1330-20-7)

DNEL				
Industry	Inhalation.	Short Term	289-442	mg/m3
Industry	Inhalation.	Long Term	77-221	mg/m3
Industry	Dermal	Long Term	180-3182	mg/kg/day
Consumer	Inhalation.	Short Term	260	mg/m3
Consumer	Inhalation.	Long Term	65.3	mg/m3
Consumer	Dermal	1872	mg/kg/day	
Consumer	Oral	Long Term	12.5	mg/kg/day

PNEC		
Freshwater	0.327	mg/l
Marinewater	0.327	mg/l
Sediment (Freshwater)	12.46	mg/kg
Marinewater	12.46	mg/kg
Soil	2.31	mg/kg
STP	6.58	mg/l

8.2. Exposure controls

Protective equipment

Process conditions

Provide eyewash station.

Engineering measures

Must not be handled in confined space without sufficient ventilation. Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level. Gas cartridge suitable for organic substances. (A)

Hand protection

Use protective gloves. Butyl rubber gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Provide eyewash station. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection

Avoid contact with skin. Refer to section 4.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

EX-8350

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Red brown
Odour	of solvents
Solubility	Soluble in: Esters Ketones Organic solvents
Initial boiling point and boiling range (°C)	80°C (Butanone) 1013 hPa
Relative density	0.91 - 0.95 g/cm³ @ 25°C

Bulk Density

Not applicable.

Vapour density (air=1)

Not determined.

Vapour pressure

Not determined.

Viscosity	41 - 51 sec BSS4 @ 25°C
Flash point (°C)	-10°C (Butanone) CC (Closed cup).
Auto Ignition Temperature (°C)	475°C (Butanone)
Flammability Limit - Lower(%)	1, 5 Vol.-% (Butanone) 45 g/m³
Flammability Limit - Upper(%)	12, 6 Vol.-% (Butanone) 378 g/m³

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reaction with: Oxidizing substances. Strong oxidising substances.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Avoid Heat, sparks, flames. Air and oxidisers.

10.3. Possibility of hazardous reactions

Reaction with strong oxidizing agents.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

None under normal conditions. In case of fire, toxic gases (CO, CO2, NOx) may be formed. Refer to section 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Gas or vapour in high concentrations may irritate respiratory system. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Ingestion

Drowsiness, dizziness, disorientation, vertigo. Headache.

Skin contact

Repeated exposure may cause skin dryness or cracking.

EX-8350

Eye contact

Irritation of eyes and mucous membranes.

Health Warnings

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Toxicological information on ingredients.

ETHANOL (CAS: 64-17-5)

Toxic Dose 1 - LD 50

> 2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

> 2000 mg/kg (dermal rbt)

Toxic Conc. - LC 50

> 20 mg/l

Other Health Effects

This substance has no evidence of carcinogenic properties. This material has not been shown to have mutagenic properties. This material has not been shown to have teratogenic properties. This material has not been shown to have sensitizing properties.

Aspiration hazard:

Eye contact

May cause severe irritation to eyes.

BUTANOL-norm (CAS: 71-36-3)

Toxic Dose 1 - LD 50

2292 mg/kg (oral rat)

Toxic Dose 2 - LD 50

3430 mg/kg (dermal rbt)

Toxic Conc. - LC 50

n.d.; LC0 > 17.76 mg/l/4h (inh-rat)

Other Health Effects

This substance has no evidence of carcinogenic properties. This material has not been shown to have mutagenic properties. This material has not been shown to have teratogenic properties. This material has not been shown to have sensitizing properties. Repeated exposure to this substance does not cause toxic effects.

Aspiration hazard:

Inhalation

May cause irritation to the respiratory system. Vapours may cause drowsiness and dizziness.

Ingestion

Harmful if swallowed.

Skin contact

Irritating to skin.

Eye contact

Risk of serious damage to eyes.

EX-8350

FORMALDEHYDE ...% (CAS: 50-00-0)

Toxic Dose 1 - LD 50

640 mg/kg (oral rat)

Toxic Dose 2 - LD 50

270 mg/kg (dermal rbt)

Toxic Conc. - LC 50

0, 588 mg/l/4h (inh-rat)

Toxicological information

This material is toxic.

Other Health Effects

Carcinogen Category 3. Carc. Cat. 2 (reg. 1272/08) This material has not been shown to have mutagenic properties. This material has not been shown to have teratogenic properties. Possible sensitization to skin contact.

Aspiration hazard:

Inhalation

Harmful by inhalation. Irritating to respiratory system.

Ingestion

Harmful if swallowed.

Skin contact

Harmful in contact with skin. Irritating to skin. May cause sensitisation by skin contact.

Eye contact

May cause severe irritation to eyes.

BUTANONE (CAS: 78-93-3)

Toxic Dose 1 - LD 50

> 2000 mg/kg (oral rat)

Toxic Dose 2 - LD 50

> 2000 mg/kg (dermal rbt)

Toxic Conc. - LC 50

4000 ppm/-- (ihl-rat)

Other Health Effects

This substance has no evidence of carcinogenic properties. This material has not been shown to have mutagenic properties. This material has not been shown to have teratogenic properties.

Skin Corrosion/Irritation:

Moderately Irritating.

Serious eye damage/irritation:

Risk of serious eye damage.

Respiratory or skin sensitisation:

There is no evidence that the material can lead to respiratory hypersensitivity.

There is no evidence that the material may cause skin sensitization.

EX-8350

ETHYL ACETATE (CAS: 141-78-6)

Toxic Dose 1 - LD 50

5620-6100 mg/kg (oral rat)

Toxic Dose 2 - LD 50

18000 mg/kg (dermal rbt)

Toxic Conc. - LC 50

> 29, 3 mg/l/4h (inh-rat)

Other Health Effects

This substance has no evidence of carcinogenic properties. This material has not been shown to have mutagenic properties. This material has not been shown to have teratogenic properties. This material has not been shown to have sensitizing properties.

Aspiration hazard:

Inhalation

Vapours may cause drowsiness and dizziness.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes.

Benzoguanamine-Formaldehyde resin, butylated (CAS: 68002-26-6)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Ecotoxicity

The product is not expected to be hazardous to the environment.

BUTANOL-norm (CAS: 71-36-3)

Ecotoxicity

The product is not expected to be hazardous to the environment.

FORMALDEHYDE ...% (CAS: 50-00-0)

Ecotoxicity

Not regarded as dangerous for the environment.

ETHYL ACETATE (CAS: 141-78-6)

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

EX-8350

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

LC 50, 96 Hrs, Fish mg/l

13000 (Salmo gairdneri); 13500-15300 (Pimephales promelas)

EC 50, 48 Hrs, Daphnia, mg/l

12300

IC 50, 72 Hrs, Algae, mg/l

275 (Chlorella vulgaris); 12900 (Selenastrum capricornutum)

BUTANOL-norm (CAS: 71-36-3)

LC 50, 96 Hrs, Fish mg/l

1376 (pimephales promelas)

EC 50, 48 Hrs, Daphnia, mg/l

n.d. (18 mg/l/ 21 days)

IC 50, 72 Hrs, Algae, mg/l

n.d. (225 mg/l/ 96 h, selenastrum capricornutum)

FORMALDEHYDE ...% (CAS: 50-00-0)

LC 50, 96 Hrs, Fish mg/l

7, 16

EC 50, 48 Hrs, Daphnia, mg/l

5, 8

IC 50, 72 Hrs, Algae, mg/l

3, 48-4, 89

BUTANONE (CAS: 78-93-3)

Acute Fish Toxicity

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l

> 100 (48 h Leuciscus idus, static test)

EC 50, 48 Hrs, Daphnia, mg/l

> 100 (static test)

IC 50, 72 Hrs, Algae, mg/l

> 100 (7 d Desmodesmus subspicatus, static test)

ETHYL ACETATE (CAS: 141-78-6)

LC 50, 96 Hrs, Fish mg/l

230 (Pimephales Promelas); 484 (Oncorhyncus mykiss)

EC 50, 48 Hrs, Daphnia, mg/l

164 (Daphnia cucullata)

IC 50, 72 Hrs, Algae, mg/l

> 100 (Desmosedmus Supspicatus)

12.2. Persistence and degradability

EX-8350

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Degradability

The product is easily biodegradable.

Biodegradation

Degradation (84%)

BUTANOL-norm (CAS: 71-36-3)

Degradability

The product is easily biodegradable.

Biodegradation

Degradation (92%) 20 days

FORMALDEHYDE ...% (CAS: 50-00-0)

Degradability

The product is easily biodegradable.

BUTANONE (CAS: 78-93-3)

Degradability

The product is easily biodegradable.

Phototransformation

Not relevant

Stability (Hydrolysis)

Not relevant

ETHYL ACETATE (CAS: 141-78-6)

Degradability

The product is easily biodegradable.

Half-life: 75 hours

Stability (Hydrolysis)

pH7 Half-life: 24 months @25°C

pH9 Half-life: 7, 5 days @25°C

Biodegradation

Degradation (69%) 20 days

12.3. Bioaccumulative potential

EX-8350

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Bioaccumulative potential

Bioaccumulation in organisms is low

Partition coefficient

-0, 35@20°C

BUTANOL-norm (CAS: 71-36-3)

Bioaccumulative potential

The bioconcentration potential is low.

Partition coefficient

Not applicable.

FORMALDEHYDE ...% (CAS: 50-00-0)

Bioaccumulative potential

Not be expected to accumulate in organisms

Partition coefficient

0, 35 @25°C

BUTANONE (CAS: 78-93-3)

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

0.3@40°C

ETHYL ACETATE (CAS: 141-78-6)

Bioaccumulative potential

The product is not expected to accumulate in organisms in significant quantities.

Bioaccumulation factor

BCF 30 Leuciscus idus (Golden orfe)

Partition coefficient

log Pow 0.60

12.4. Mobility in soil

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Mobility:

The product is miscible with water. May spread in water systems. The product evaporates quickly in air The product, if released into the soil, evaporates quickly The product is poorly absorbed from soil or sediment

BUTANOL-norm (CAS: 71-36-3)

Mobility:

N.D.

FORMALDEHYDE ...% (CAS: 50-00-0)

Mobility:

N.D.

BUTANONE (CAS: 78-93-3)

Mobility:

The product is partly soluble in water. May spread in the aquatic environment. The product may migrate into the ground

ETHYL ACETATE (CAS: 141-78-6)

Mobility:

Very high mobility in soil The product is soluble in water. If the product enters soil, it is mobile and can contaminate groundwater

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

EX-8350

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

Not Classified as PBT/vPvB by current EU criteria.

BUTANOL-norm (CAS: 71-36-3)

Not Classified as PBT/vPvB by current EU criteria.

FORMALDEHYDE ...% (CAS: 50-00-0)

Not Classified as PBT/vPvB by current EU criteria.

BUTANONE (CAS: 78-93-3)

Not Classified as PBT/vPvB by current EU criteria.

ETHYL ACETATE (CAS: 141-78-6)

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not known.

Ecological information on ingredients.

ETHANOL (CAS: 64-17-5)

None known.

BUTANOL-norm (CAS: 71-36-3)

Not known.

FORMALDEHYDE ...% (CAS: 50-00-0)

None known.

ETHYL ACETATE (CAS: 141-78-6)

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

14.2. UN proper shipping name

Proper Shipping Name	PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3

Transport Labels

EX-8350

14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards

14.6. Special precautions for user

EMS	F-E, S-E
Emergency Action Code	•3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

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

Not Available.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures (CLP Regulation). Regulation (EC) n. 790/2009: 1st Adaptation to Technical Progress (ATP) to the CLP Regulation.

National Regulations

The user however is advised to examine and observe specific national, regional and local standards in regard to hazardous activities and protection of the environment (for example liquid, solid and gas emissions) which are not the object of this document.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

CLP: Classification, Labelling and Packaging; GHS: Globally Harmonized System of Classification and Labelling of Chemicals CSR: Chemical Safety Report ; CSA: Chemical Safety Assessment ; TLV – Valore limite di soglia; TWA - Media ponderata nel tempo; STEL - Limite per breve tempo di esposizione; DNEL - Livello derivato senza effetto; DMEL: derived minimal effect level; NOAEL - dose priva di effetti avversi osservati ; PNEC - Concentrazione Prevedibile Priva di Effetti. PBT - Persistent, Bioaccumulative and Toxic; vPvB: Very Persistent very Bioaccumulative LD50 - Dose letale di una sostanza chimica che uccide il 50% degli individui esposti; LC50 - Concentrazione letale di una sostanza chimica che uccide il 50% degli individui esposti; LDLo - Dose letale minima; EC50 - Concentrazione effettiva mediana; IC50 - Concentrazione di inibizione mediana; d.w. - peso a secco; kg bw - kilograms of body weight; VOC - VolatileOrganicCompound.

Information Sources

Guidances of ECHA (European Chemical Agency)

Revision Date	16/05/2014
Revision	1

EX-8350

Risk Phrases In Full

R34	Causes burns.
R10	Flammable.
R22	Harmful if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R37/38	Irritating to respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H370	Causes damage to organs <<Organs>>.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H225	Highly flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H413	May cause long lasting harmful effects to aquatic life.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H351	Suspected of causing cancer.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.