

SAFETY DATA SHEET

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

1.1. Product Identifier

Product Name : P-ACRYL/C2 UHS Scratch Resistant Clear Coat
Product Description : Not available
Product Type : Liquid

1.2. Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against

Identified Uses : Refinish – Top Coat

1.3. Details Of The Supplier Of The Safety Data Sheet

Polaron Boya Kimya Sanayi ve Ticaret Anonim Şirketi

Gebze Plastikçiler Organize Sanayi Bölgesi

10. Cadde No: 10 41400 Gebze/Kocaeli

Tel: 0262 751 25 51

Fax: 0262 751 25 52

e-mail of the responsible person

for this SDS : sds@polaronboya.com

1.4. Emergency Telephone Number

Telephone number : Call your local poison centre

Supplier

Telephone Number : +90 262 751 25 51 (during daytime)

2. HAZARDS IDENTIFICATION

2.1. Classification Of The Substance Or Mixture

Product Definition : Mixture

Classification According To Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3: H226 :Flammable liquid and vapour.

Skin Sens. 1, H317 :May cause an allergic skin reaction.

STOT SE 3: H336 :May cause drowsiness or dizziness.

Aquatic Chronic 3, H412 :Harmful to aquatic life with long lasting effects.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Classification According To Directive 1999/45/EC [DPD]

The product is classified as hazardous according to Directive 1999/45/EC and its amendments.

Classification :R10
R43
R66, R67
R52/53
Physical/Chemical Hazards :Flammable

2. HAZARDS IDENTIFICATION

Human Health Hazards :May cause sensitisation by skin contact.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed on health effects and symptoms.

2.2. Label Elements

Hazard Pictograms



Signal Word

:Warning

Hazard Statements

:Flammable liquid and vapour.
May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention

:Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Wear protective gloves. Wear eye/face protection. Do not breathe vapour or spray. Avoid release to the environment.

Response

:IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

Storage

:Store in a well-ventilated place. Keep cool.

Disposal

:Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous Ingredients

:n butyl acetate
solvent naphtha (petroleum), light arom.

Supplemental Label Elements

:Not Applicable.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

:Not Applicable.

Special Packaging Requirements

Containers to be fitted with child-resistant fastenings

: Not Applicable.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

2. HAZARDS IDENTIFICATION

Tactile warning of danger : Not Applicable.

2.3. Other Hazards

Other hazards which do not result in classification : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

: Mixture

Product/Ingredient Name	Identifiers	(%)	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
n-butyl acetate	REACH #: 01-2119485493-29 EC Number: 204-658-1 CAS Number: 123-86-4 Index: 607-025-00-1	≥20 - <40	R10 R66, R67	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	[1]
Solvent naphtha (petroleum), light arom.	REACH #: 01-2119455851-35 EC Number: 265-199-0 CAS Number: 64742-95-6	≥5 - <9,6	R10 Xn; R65 Xi; R37 R66, R67 N; R51/53	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	[1]
Hydroxyphenyl-benzotriazole derivate I	REACH #: 01-0000015075-76 CAS: 104810-48-2	≥0.3 - <0.5	R43 N; R51/53	Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
Hydroxyphenyl-benzotriazole derivate II	REACH #: 01-0000015075-76 CAS: 104810-47-1	≥0.3 - <0.5	R43 N; R51/53	Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	EC Number: 255-437-1 CAS Number: 41556-26-7	≥0.2 - <0.5	R43 N; R51/53	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]

See section 16 for the full text of the R-phrases declared above.

See section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

3. COMPOSITION/INFORMATION ON INGREDIENTS

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST AID MEASURES

4.1. Description Of First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Never give anything by mouth. If the person is unconscious, seek immediate medical attention.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Ingestion: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

Protection of First-Aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: No specific treatment.

See toxicological information (Section 11)

5. FIREFIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Recommended: alcohol-resistant foam, CO₂, powders, water spray.

Unsuitable Extinguishing Media: Do not use water jet.

5.2. Special Hazards Arising From The Substance Or Mixture

Hazards From The Substance Or Mixture: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

5.3. Advice For Firefighters

Special protective actions for fire-fighter: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

Special protective equipment for fire-fighters: Appropriate breathing apparatus may be required.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment And Emergency Procedures

6.1.1. For Non-Emergency Personnel: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

6.1.2. For Emergency Responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental Precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

6.3. Methods And Material For Containment And Cleaning Up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

6.4. Reference To Other Sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions For Safe Handling

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

7. HANDLING AND STORAGE

7.1.1. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

7.1.2. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel. Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or watercourses. Information on fire and explosion protection.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

7.2. Conditions For Safe Storage, Including Any Incompatibilities

Store in accordance with local regulations.

Notes On Joint Storage: Keep away from: oxidising agents, strong alkalis, and strong acids.

Additional Information On Storage Conditions: Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Seveso Directive – Reporting thresholds (in tonnes)

Danger Criteria

Category	Notification and MAPP Threshold	Safety Report Threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5.000	50.000
C6: Flammable (R10)	5.000	50.000

7.3. Specific End Use(s)

Recommendations : Not available

Industrial Sector Specific Solutions : Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The list of Identified Uses in Section 1.2 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1. Control Parameters

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No exposure limit value known.

Recommended Monitoring Procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/Ingredient Name	Type	Exposure	Value	Population	Effects
n-butyl acetate	DNEL	Short Term Inhalation	960 mg/m3	Workers	Systemic
	DNEL	Short Term Inhalation	960 mg/m3	Workers	Local
	DNEL	Long Term Inhalation	480 mg/m3	Workers	Systemic
	DNEL	Long Term Dermal	480 mg/m3	Workers	Local
	DNEL	Short Term Inhalation	859,7 mg/m3	Consumers	Systemic
	DNEL	Short Term Inhalation	859,7 mg/m3	Consumers	Local
	DNEL	Long Term Inhalation	102,34 mg/m3	Consumers	Systemic
	DNEL	Long Term Dermal	102,34 mg/m3	Consumers	Local
Solvent naphtha (petroleum), light arom.	DNEL	Long Term Dermal	25 mg/kg bw/day	Workers	Systemic
	DNEL	Long Term Inhalation	150 mg/m3	Workers	Systemic
	DNEL	Long Term Dermal	11 mg/kg bw/day	Consumers	Systemic
	DNEL	Long Term Inhalation	32 mg/m3	Consumers	Systemic
	DNEL	Long Term Oral	11 mg/kg bw/day	Consumers	Systemic

PNECs

Product/Ingredient Name	Compartment Detail	Value	Method Detail
n-butyl acetate	Fresh Water	0,18 mg/l	-
	Marine	0,018 mg/l	-
	Fresh Water Sediment	0,981 mg/kg	-
	Marine Water Sediment	0,0981 mg/kg	-
	Soil	0,0903 mg/kg	-
	Sewage Treatment Plant	35,6 mg/l	-

8.1. Exposure Controls

Appropriate Engineering Controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Individual Protection Measures:

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead. Recommended: chemical splash goggles and/or face shield.

Skin Protection:

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. > 8 hours (breakthrough time): Recommended EN 374 polyvinyl alcohol (PVA) ≥ 0.7 mm < 1 hour (breakthrough time): Conditionally suitable materials for protective gloves; EN 374: Nitrile rubber - NBR (≥ 0.35 mm). Only suitable as splash protection. Only suitable for brief exposure. In the event of contamination, change protective gloves immediately. There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. Recommended: Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: EN 405:2001 + A1:2009 organic vapour (Type A) and particulate filter FFA2P3 R D

Environmental Exposure Controls: Do not allow to enter drains or watercourses.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	: Liquid
Colour	: Clear
Odour	: Not available.
Odour Threshold	: Not available.
pH	: Not available.
Melting Point/Freezing Point	: Not available.
Initial Boiling Point and Boiling Range	: >100 °C
Flash Point	: Closed Cup: 29 °C (84.20 °F)
Evaporation Rate	: Not available.
Flammability (solid, gas)	: Not available.
Upper/Lower Flammability or Explosive Limits	: Lower: %1.1 Upper: %7.5
Vapour Pressure	: Not available.
Relative Density	: 0.975-0.985 (Water = 1)
Vapour Density	: Not available.
Solubility (ies)	: Insoluble in the following materials: cold water and hot water
Partition Coefficient: n-octanol/water	: Not available.
Auto-Ignition Temperature	: Not available.
Decomposition Temperature	: Not available.
Viscosity	: Not available.
Explosive Properties	: Not available.
Oxidising Properties	: Not available.

9.2. Other Information : No additional information.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical Stability

Stable under recommended storage and handling conditions (see Section 7).

10.3. Possibility Of Hazardous Reactions

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

10.4. Conditions To Avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible Materials

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, and strong acids.

10.6. Hazardous Decomposition Products

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

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

11. TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Acute Toxicity:

Product/Ingredient Name	Result	Species	Dose	Exposure
n-butyl acetate	LC50 Inhalation Vapour	Rat	>21,1 mg/l	4 hours
	LD50 Dermal	Rabbit	>14.112 mg/kg	-
	LD50 Oral	Rat	10.760 mg/kg	-
Solvent naphtha (petroleum), light arom.	LC50 Inhalation Vapour	Rat	>6.193 mg/l	4 hours
	LD50 Dermal	Rabbit	>3.160 mg/kg	-
	LD50 Oral	Rat	3.492 mg/kg	-
Hydroxyphenyl-benzotriazole derivate I	LD50 Dermal	Rat	>2.000 mg/kg	-
	LD50 Oral	Rat	>2.000 mg/kg	-
Hydroxyphenyl-benzotriazole derivate II	LD50 Dermal	Rat	>2.000 mg/kg	-
	LD50 Oral	Rat	>2.000 mg/kg	-
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	LD50 Oral	Rat	>2.300 mg/kg	-

Conclusion/Summary : Not available.

Acute Toxicity Estimates:

Route	ATE Value
Dermal	8.187 mg/kg
Inhalation (vapours)	26,50 mg/l

Irritation/Corrosion:

Conclusion/Summary : Not available

Sensitisation

Conclusion/Summary : Not available

Mutagenicity

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

11. TOXICOLOGICAL INFORMATION

Conclusion/Summary : Not available

Carcinogenicity

Conclusion/Summary : Not available

Reproductive Toxicity

Conclusion/Summary : Not available

Teratogenicity

Conclusion/Summary : Not available

Specific Target Organ Toxicity (Single Exposure):

Product/Ingredient Name	Category	Route of Exposure	Target Organs
n-butyl acetate	Category 3	Not applicable	Narcotic Effects
Solvent naphtha (petroleum), light arom.	Category 3	Not applicable	Respiratory Tract Irritation and Narcotic Effects

Specific Target Organ Toxicity (Repeated Exposure): Not available

Aspiration Hazard:

Product/Ingredient Name	Result
solvent naphtha (petroleum), light arom.	ASPIRATION HAZARD – Category 1

Other Information : Not available

12. ECOLOGICAL INFORMATION

12.1. Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment, but contains substance(s) hazardous to the environment. See section 3 for details.

Product/Ingredient Name	Result	Species	Exposure
n-butyl acetate	Acute EC50 647,7 mg/l	Algae-Desmodesdus subspicatus	72 hours
	Acute EC50 44 mg/l	Daphnia	48 hours
	Acute LC50 32 mg/l	Crustaceans-Artemia salina	48 hours
	Acute LC50 18 mg/l	Fish-Pimephales promelas	96 hours
	Acute NOEC 200 mg/l	Algae	72 hours
	Chronic NOEC 23 mg/l	Daphnia-Daphnia magna	21 days
solvent naphtha (petrol) light arom.	Acute EC50 2,9 mg/l	Algae-Pseudokirchnerella subcapitata	72 hours
	Acute EC50 3,2 mg/l	Daphnia-Daphnia magna	48 hours
	Acute LC50 9,2 mg/l	Fish-Oncorhynchus mykiss	96 hours
	Acute NOEC >1 mg/l	Algae-Pseudokirchnerella subcapitata	72 hours
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	LC50 mg/l	Fish-Oncorhynchus kisutch	96 hours

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

12. ECOLOGICAL INFORMATION

Conclusion/Summary : Not available

12.2. Persistence and Degradability

Product/Ingredient Name	Test	Result	Dose	Inoculum
n-butyl acetate	OECD 301D Ready Biodegradability-Closed Bottle Test	>80 %-5 day	-	-
Solvent naphtha (petroleum), light arom.	-	%78 - Readily - 28 day	-	Fresh Water

Conclusion/Summary : Not available

Product/Ingredient Name	Aquatic Half-Life	Photolysis	Biodegradability
n-butyl acetate	-	-	Readily
Solvent naphtha (petroleum), light arom.	-	-	Readily

12.3. Bioaccumulative Potential

Product/Ingredient Name	LogPow	BCF	Potential
n-butyl acetate	2,30	-	low

12.4. Mobility in soil

Soil/water partition coefficient (KOC) : Not available

Mobility : Not available

12.5. Results of PBT and vPvB Assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6. Other adverse effects : No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1. Waste Treatment Methods

Product

Methods of Disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous Waste: The classification of the product may meet the criteria for a hazardous waste.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

Packaging

Methods of Disposal: The generation of waste should be avoided or minimised wherever possible.

Waste

packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.





Disposal Considerations: Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.

Type of Packaging	European Waste Catalogue (EWC)
CEPE Paint Guidelines	15.01.10 packaging containing residues of or contaminated by dangerous substances

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

14. TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	IATA
14.1. UN Number	UN1263	UN1263	UN1263	UN1263
14.2. UN Proper Shipping Name	Paint	Paint	Paint	Paint
14.3. Transport Hazard Class(es)	3 	3 	3 	3 
14.4. Packing Group	III	III	III	III
14.5. Environmental Hazards	No.	No.	No.	No.
Additional Information	<p>Hazard Identification Number</p> <p>30</p> <p>Limited Quantity</p> <p>5 L</p> <p>Special Provisions</p> <p>163, 640E, 650</p> <p>Tunnel Code</p> <p>(D/E)</p>	<p>Special Provisions</p> <p>163, 640E, 650</p>	<p>EmS</p> <p>F-E,_S-E_</p> <p>Special Provisions</p> <p>163, 223, 955</p>	<p>Passenger and Cargo Aircraft</p> <p>Quantity Limitation: 60 L</p> <p>Packaging Instructions: 355</p> <p>Cargo Aircraft Only</p> <p>Quantity Limitation: 220 L</p> <p>Packaging Instructions: 355</p> <p>Limited Quantities- Passenger Aircraft</p> <p>Quantity Limitation: 10 L</p> <p>Packaging Instructions: Y344</p> <p>Special Provisions</p> <p>A3, A72</p>

14.6. Special Precautions For User

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7. Transport In Bulk According To Annex II Of MARPOL 73/78 And The IBC Code

Not applicable.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No.453/2010

15. REGULATORY INFORMATION

15.1. Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV - None of the components are listed.

Substances Of Very High Concern

None of the components are listed.

Annex XVII - Restrictions on The Manufacture, Placing On The Market And Use Of Certain Dangerous Substances, Mixtures And Articles Other EU Regulations

Not applicable.

Other EU Regulations

Europe Inventory - All components are listed or exempted.

Seveso Directive - This product is controlled under the Seveso Directive.

Danger Criteria

Category
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b
C6: Flammable (R10)

Industrial Use: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

International Regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals - Not listed.

Montreal Protocol (Annexes A, B, C, E) - Not listed.

Stockholm Convention on Persistent Organic Pollutants - Not listed.

Rotterdam Convention on Prior Inform Consent (PIC) - Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals - Not listed.

International Lists

National Inventory

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

Japan : Not determined.

Malaysia : Not determined.

New Zealand : All components are listed or exempted.

Philippines : Not determined.

Republic of Korea : All components are listed or exempted.

Taiwan : Not determined.

United States : All components are listed or exempted.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

16. OTHER INFORMATION

CEPE Code : 1

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

ATE	: Acute Toxicity Estimate
CLP	: Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL	: Derived Minimal Effect Level
DNEL	: Derived No Effect Level
EUH statement	: CLP-specific Hazard statement
PBT	: Persistent, Bioaccumulative and Toxic
PNEC	: Predicted No Effect Concentration
RRN	: REACH Registration Number
vPvB	: Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<u>Classification</u>	<u>Justification</u>
Flam. Liq. 3, H226	On basis of test data
Skin Sens. 1, H317	Calculation method
STOT SE 3, H336	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H226	: Flammable liquid and vapour.
H304	: May be fatal if swallowed and enters airways.
H317	: May cause an allergic skin reaction.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Flam. Liq. 3, H226	:FLAMMABLE LIQUIDS - Category 3
Asp. Tox. 1, H304	:ASPIRATION HAZARD - Category 1
Skin Sens. 1, H317	:SKIN SENSITIZATION - Category 1
Skin Sens. 1B, H317	:SKIN SENSITIZATION - Category 1B
Eye Irrit. 2, H319	:SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
STOT SE 3, H335	:SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
STOT SE 3, H336	:SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
Aquatic Acute 1, H400	:ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	:LONG-TERM AQUATIC HAZARD - Category 1
Aquatic Chronic 2, H411	:LONG-TERM AQUATIC HAZARD - Category 2
Aquatic Chronic 3, H412	:LONG-TERM AQUATIC HAZARD - Category 3
EUH066	:Repeated exposure may cause skin dryness or cracking.

16. OTHER INFORMATION

Full text of abbreviated R phrases

R10	:Flammable.
R37	:Irritating to respiratory system.
R43	:May cause sensitisation by skin contact.
R51/53	:Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	:Harmful: may cause lung damage if swallowed.
R66	:Repeated exposure may cause skin dryness or cracking.
R67	:Vapours may cause drowsiness and dizziness.

Full text of classifications[DSD/DPD]

Xn	: Harmful
Xi	: Irritant
N	: Dangerous for the environment

Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.