

MATERIAL SAFETY DATA SHEET according to the Regulation No. 515/2001 Coll.
ACRYLATE BONDING PRIMER (1I; 5I; 10I)



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

1.1 Identification of Substance or Agent: Acrylate **BONDING PRIMER**

Original Name of Agent: Acrylate **PENETRATOR** (Akrylátový **PENETRÁTOR**)

1.2 Use of Substance or Agent: Acrylate bonding primer for consolidation of absorbent surfaces like concrete, plaster, plasterboard and the like.

1.3 Identification of Company or Undertaking

Company Name: COLOR Company, s.r.o.
Place of Business (Seat): Štúrova 1504, 018 41 Dubnica n/ Váhom, Slovakia
Company Registration No.: 36 307 262
Telephone: 042/442 89 89
Fax: 042/462 55 00





1.4 Emergency Telephone: tel.: 02/5477 4166, fax: 02/5477 4605
(Toxikologické informačné centrum, Klinika pracovného lekárstva a toxikológie FNŠP akad. L. Dédera, Limbová 5, 833 05 Bratislava) („Toxicological Information Centre, Occupational Medicine and Toxicology Clinic of Teaching Hospital with Health Centre of acad. L. Dérer“)

2. COMPOSITION/ INFORMATION ON INGREDIENTS

2.1 Chemical Characteristics: Water solution of acrylate dispersion.

2.2 Composition of Agent: The agent contains chemical substances which are classified as dangerous pursuant to the Act on chemical substances and chemical agents in concentrations under limit.

Chemical Name	Concentration or Extent in %	Hazard Symbol	EC (EINECS, ELINCS, NLP)	CAS Number	R-phrases
Salt of esters of sulposuccinic acid	< 0,34	 Xi Irritant			41
Lubricating oils, (petroleum), C20-C50, hydrogenated, neutral, oil-based, base oil unspecified	≥ 0,07	 T Toxic	276-738-4	72623-87-1	45, carc.cat.2

For complete wording of R-phrases see the Section 16.

3. HAZARD IDENTIFICATION

According to Act on chemical substances and chemical agents, the agent **is not classified as dangerous**.

3.1 The Most Harmful Effects on Human Health

The agent is not classified as dangerous for people. See the Section 11 and 15.

3.2 The Most Harmful Effects on Environment

According to available information, there are none known dangerous effects on environment. See Section 12.

4. FIRST AID MEASURES



4.1 General Instructions

Remove affected clothing. Secure medical help and provide this sheet or label of agent in case of any doubts or occurrence of any symptoms. Bear in mind the protection of your own health.

4.2 Exposure by Inhalation

The victim should be escorted to fresh air. In case of unconsciousness, the person should be positioned and transported in recovery position. Call the doctor immediately or according to the symptoms of exposure.

4.3 Exposure by Skin Contact

Wash the affected skin with water and soap immediately, rinse thoroughly and apply the protective cream if appropriate. Do not use any solvents. Remove affected clothing. In case of skin irritation or other symptoms, consult specialist.

4.4 Exposure by Eye Contact

Open the eye lids, remove the contact lenses if necessary and rinse the eyes with water thoroughly during 15 minutes. The next steps should be immediately consulted with ophthalmologist.



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4.5 Exposure by Ingestion

Rinse mouth thoroughly with stream of water and do not induce vomiting. Keep the affected person warm and at rest. Call the doctor immediately.

5. FIREFIGHTING MEASURES



5.1 Suitable Extinguishing Media

The agent itself is non-flammable. All of the commonly used fire extinguishers can be used. As suitable for surrounding fire.

5.2 Extinguishing media, which must not be used for safety reasons

None determined.

5.3 Specific exposure hazards resulting from the substance or agent itself, combustion products, resulting gases

Hazardous decomposition products may be produced during combustion. (this applies to plastic packaging only, not to agent). Inhalation of hazardous decomposition products of combustion may result in damage of health.

5.4 Special protective equipment for firefighters and equipment for firefighting crews

Use suitable protective self-contained breathing apparatus and chemical protective outfit if appropriate. Protective measures should be chosen according to extent of fire.

5.5 Supplement Information

The agents in closed packagings which are in proximity to fire are to be cooled by water. If possible, remove the agents in undamaged packagings from danger zone. The contaminated water used for firefighting is to be temporarily stored in isolation, do not drain it into a sewage system. The water used for firefighting or used fire extinguishers with the combustion residue are to be disposed of according to relevant regulations (the Act on Wastes, see the Section 16.4).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Respect the instructions stated in the Sections 7 and 8. Do not allow contact with eyes and skin. Authorised personnel only.

6.2 Environmental Precautions

Prevent further release. Do not allow the agent to enter sewage system, surface water, groundwater and soil.

6.3 Methods for Cleaning up (Remediation)

The released agent is to be sprinkled by suitable non-flammable absorbent material, e.g. universal sorbent, sand, vapex, perlite, fine-grained gravel and placed in a suitable packaging. The subsequent procedure of disposal is conforming to the regulations stated in the Section 13. Pay attention to the amounts in the Section 8. The contaminated area and used equipment should be washed thoroughly by a suitable abstergent, do not use diluents.

7. HANDLING AND STORAGE

7.1 Handling

It is necessary to read the contents of the Sections 3, 6, 8 and 11 before use. Respect legal preventive and safety regulations for handling the chemical substances. Respect the instructions and directions for use printed on the label of product packaging.

Do not eat, drink or smoke while manipulating with the agent. Wash your hands and take off the contaminated work clothes before taking a break or after manipulation with the agent. Store the work clothes in isolation.

7.2 Storage

The agent is to be stored in tightly closed original packagings only. Do not allow access to unauthorised persons. Pay attention to instructions on the label of product. Protect from freeze. Keep away from food, drink and animal feedings.

7.3 Specific Use

The use of agent is defined by the manufacturer in the directions for use printed on the label of packaging or in enclosed documents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Figures of Exposure Limits

Chemical Name	Concentration or Extent in %	ES (EINECS, ELINCS, NLP)	NPHV Average (mg/m ³)	NPHV Threshold (mg/m ³)
No exposure limits determined	-	-	-	-

-NPHV – maximum permissible exposure value

Chemical Name	Concentration or Extent in %	ES (EINECS, ELINCS, NLP)	BMH Permissible Value (mg/l)	Examined Material
-	-	-	-	-

BMH – biological boundary value



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8.2 Workplace Exposure Controls

8.2.1 Respiratory Protection:

None should be needed in normal use.

8.2.2 Hand Protection:

It is advised to use the rubber gloves. It is also very helpful to use a protective hand cream.

8.2.3 Eye Protection:

None should be needed in the normal use. In case of possibility that the drops of the agent can get into contact with the eyes, use tightly sealed safety glasses with the side-shields. (EN 166).



8.2.4 Skin Protection:

_Wear protective clothing with long sleeves and protective safety footwear if appropriate. (EN 344).

8.3 Environmental Exposure Controls e

Prevent release of concentrated agent into the soil, sewage system and water. The residue of agent, used packagings and liquid are to be disposed of according to the instructions in the Section 13.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Physical State :	Liquid
Colour (when supplied):	milk
Odour or Aroma:	Information is not available

9.2 Important Information

pH Value:	7 - 8
Boiling Point:	Information is not available
Flash Point (ISO 1523):	Information is not available
Flammability:	non-flammable
Upper Explosion Limit:	Information is not available
Lower Explosion Limit:	Information is not available
Oxidation Properties:	Information is not available
Vapour Pressure (at 20°C):	Information is not available
Density:	1,00 g/cm ³
Solubility (at 20°C):	
– in Water	soluble
– in Fat (solvent – oil)	Information is not available

Coefficient of <i>n</i> -octanol/water Distribution:	Information is not available
Viscosity (at 20°C):	Information is not available
Viscosity (at 23°C, ISO 3219):	Information is not available
Vapour pressure (air = 1):	Information is not available
Evaporation rate:	Information is not available

9.3 Other information

VOC of agent:	Information is not available
VOC CH:	Information is not available
Auto-Ignition Temperature:	Information is not available
Combustion Encouraging Properties	none

10. STABILITY AND REACTIVITY

10.1 Stability Conditions

The agent is stable when the stipulated regulations of storage and handling – protect from freeze are followed (see Section 7).

10.2 Materials to Avoid

None determined.

10.3 Hazardous Decomposition Products

No decomposition when handling in accordance with the regulations. Hazardous decomposition products may be generated during the combustion of packaging. See Section 5.3.

11. TOXICOLOGICAL INFORMATION

11.1 Dangerous health effects resulting from substance or agent exposure

Acute toxicity of agent component				
LD ₅₀ , oral, rat:				
LC ₅₀ , inhalation, rat, for aerosols or particles per 4 hrs				
LC ₅₀ , inhalation, rat, for gases and vapours per 4 hrs				
LD ₅₀ , dermal, rat or rabbit:				

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11.2 Known long-term and immediate effects, chronic effects resulting from short-term and long-term exposure

- 11.2.1 Sensitisation:** Not specified for the agent. Components of agent do not have any sensitising effects.
- 11.2.2 Narcotic Effects:** Not specified for the agent. Components of agent do not have any narcotic effects.
- 11.2.3 Carcinogenicity:** Not specified for the agent. Component of agent can have carcinogenic effects. (Lubricating oils, (petroleum) C20-C50, hydrogenated, neutral, oil-based, base oil unspecified).
- 11.2.4 Mutagenicity:** Not specified for the agent. Components of agent do not have any mutagenic effects.
- 11.2.5 Reproductive Toxicity:** Not specified for the agent. Components of agent do not have any teratogenic effects.
- 11.2.6 Exposure by Inhalation:** Information is not available.
- 11.2.7 Exposure by Ingestion:** Can cause health problems.
- 11.2.8 Exposure by Skin Contact:** Information is not available.
- 11.2.9 Exposure by Eye Contact:** Information is not available.

11.3 Other Information:

Agent was classified according to assessment of dangerous properties of agent on the basis of physico-chemical characteristics dangerous for health and environment in accordance with the Regulation of Ministry of Economy of Slovak Republic No.2/2002 enforcing the Act No.163/2001 Coll. on chemical substances and chemical agents.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Ecotoxicity of Agent Component					
LC ₅₀ (96 hrs, fish):					
EC ₅₀ (48 hrs, daphnia):					
IC ₅₀ (72 hrs, algae):					

12.2 Mobility

Do not allow the agent to leak into rain water, surface and groundwater water and soil.

12.3 Persistence and Degradability

Information is not available.

12.4 Bioaccumulative Potential

Information is not available.

12.5 Other Adverse Effects

According to available information no dangerous effects on environment are determined.

13. DISPOSAL CONSIDERATIONS

13.1 Safe handling of residues or waste resulting from supposed use

The waste is to be evaluated/disposed of according to local legislation in appropriate facilities.

13.2 Classification of agent and its packaging

	Catalogue No.	Name of Waste Type	Classification of Waste	Group of Waste	Method of Evaluation/Disposal
Agent	08 01 12	Waste paints and varnishes other than listed in 08 01 11	Other waste	-	R1 utilisation mainly as a fuel or acquiring the energy by other method
Packaging	15 01 02	Plastic packagings	Other waste	-	R1 utilisation mainly as a fuel or acquiring the energy by other method

13.3 Legal Regulations

Classification of waste was performed according to Regulation of Ministry of Environment of the Slovak Republic – waste catalogue (see Section 16.4). Specified catalogue numbers of wastes are recommended according to a probable utilisation of this agent. On the basis of special utilisation and given information of evaluation/disposal of wastes by user, other catalogue numbers of waste can be used under certain circumstances.

It is necessary to submit the specified waste to the organisation which disposes of adequate authorisations in accordance with the Waste Act (see the Section 16.4, e.g. authorisation for the operation of facility for evaluation/disposal of waste).

14. TRANSPORT INFORMATION

14.1 Special Preventive Measures for Transport

The agent is not classified as dangerous according to the transport regulations.

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14.2 Transport Classification for Individual Types of Transport

	Land transport, road/rail: ADR/RID	Marine transport: IMO/ IMDG	Air transport: ICAO/IATA
UN Number	-	-	-
Shipping Name and Description	-	-	-
Class	-	-	-
Classification Code	-		
Packing Group	-	-	-
Safety Symbols	-		
Special Conditions	-	-	
Limited Quantities LQ	-	-	-
LQ Marking	-	-	-
Packing Instructions	-	-	
Transport Category	-		
Hazard Identification Number	-		
Sea Polluting Substance		-	
EmS		-	

15. REGULATORY INFORMATION**15.1 Information Printed on the Packaging of Substance or Agent**

Hazard Symbols: not applicable

Dangerous chemical substances in agent (max. content in %)
and EC number (marking)

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

Use in compliance with the designation of product. The product is to be disposed of in compliance with the Waste Act as non-dangerous waste. The empty packaging should be submitted at special waste collection point. Material Safety Data Sheet is at the disposal of professional users.

VOC (Volatile Organic Compounds) content in product is < 30 g/L (permissible value is to 30 g/L of VOC).

Provision of child-resistant fastening on the packaging according to § 26 Subsection 7 Act No. 163/2001 Coll. as amended and STN EN ISO 8317 or STN EN ISO 862:

It does not have to be applied.

Tactile warning of danger for the sake of persons with impaired vision and the blind according to § 26 Subsection 7 Act No. 163/2001 Coll. as amended and STN EN ISO 11683:

It does not have to be applied..

R-phrases

-	-
-	-

S-phrases

-	-
-	-

16. OTHER INFORMATION**16.1 Complete Wording of R-phrases Mentioned in Section 2 and 3**

41	Risk of serious damage to eyes
45	May cause cancer (Carc. cat. 1 and 2)

16.2 Complete Wording of S-phrases

-	-
-	-



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16.3 Training Manual

The workers who use the product regularly and new workers must attend regular trainings or introductory training on hazards and prevention and how to work without putting oneself or other in danger. Content and periodicity of training will be determined by the employer according to the Act on Safety and Health Protection at Work (see Section 16.4).

16.4 Quoted Regulations

Act No.163/2001 Coll. on Chemical Substances and Chemical Agents as amended.
Regulation of Ministry of Economy of the Slovak Republic No. 515/2001 Coll. on details about the contents of Material Safety Data Sheet.

Regulation of Ministry of Economy of the Slovak Republic No.2/2002 enforcing the Act No.163/2001 Coll. on chemical substances and chemical agents as amended.

Government regulation of the Slovak Republic No. 355/2006 Coll. on protection of employees from hazards related to exposition to chemical factors at work .

Act No.223/2001 Coll. on Wastes as amended.

Regulation of Ministry of Environment of the Slovak Republic No. 284/2001 Coll. enacting Waste Catalogue as amended.

Act No. 364/2004 Coll. on water and its executive regulation No.100/2005 Coll. as amended.

Act No.124/2006 Coll. on Safety and Health Protection at Work.

Regulation of Ministry of Interior of the Slovak Republic No.96/2004 Coll. stipulating the principles for fire safety for handling and storage of flammable liquids, heavy heating oils and vegetable and animal fats and oils.

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

RID - International Rule for Transport of Dangerous Substances by Railway.

IATA/ICAO Code – International Rule for Transport of Dangerous Substances by Air.

IMDG Code - International Rule for Maritime Transport of Dangerous Substances.

16.5 Legend

Classification of agent was accomplished according to the Regulation of Ministry of Economy of the Slovak Republic No.2/2002 enforcing the Act No.163/2001 Coll. on chemical substances and chemical agents. The data provided by the manufacturer or importer of individual agent components stated in the Material Safety Data Sheet were used as a source.

Ecotoxicological and toxicological information were obtained from the ESIS system (European Chemical Substances Information System), specifically from the database IUCLID (International Uniform Chemical Information Data Base). The database provides the characteristics of substances that are classified in Annexe I of Directive 67/548/EEC, but also the characteristics of substances that are not classified.

The chemical database of company Merk spol. s r.o. was also used for supplementary information.

The Material Safety Data Sheet furnishes the necessary information for providing safety and health protection at work as well as the protection of environment. The given data conform to present state of knowledge and experience and comply with legal regulations in force. The data cannot be regarded as a guarantee of suitability and usability of product for specific application.

The Material Safety Data Sheet is a property of the natural person or legal entity quoted in the Section 1.3 and is protected by copyright. Copying, circulation or sale without the consent of a proprietor is illegal.

16.6 Legal Notifications of COLOR Company, s.r.o.

Information given in the Material Safety Data Sheet conforms to our state of knowledge at the time of its publication. All guarantees are excluded. Please, read the label and Material Safety Data Sheet of the agent before any use or treatment.

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