



AAT-620 Premium Pressure Sensitive Adhesive

AAT-620 is a premium, high performance pressure sensitive adhesive [PSA] with a tenacious bond. It is the professional's choice for installation of vinyl tile [LVT], vinyl plank, modular carpet tile, as well as, fiberglass reinforced [F/G] sheet vinyl. This adhesive can be used on most commonly found sub-floors. This aggressive PSA allows for the removal and replacement of carpet tiles while maintaining a high standard of performance. AAT-620 may also be used to install approved carpet cushions in double-glue installations. AAT-620 has a long working time, spreads easily and affords easy clean up.

AAT-620 is a nonhazardous, VOC compliant adhesive with zero VOC's (calculated). AAT-620 is protected by the CleanGuard® two-stage antimicrobial. CleanGuard® is a specifically formulated broad-spectrum, anti-microbial agent that protects our adhesives and sealers from microorganisms, such as mold or mildew, in both the wet and dry states. AAT-620 Premium PSA contributes to several LEED NC and EC credits in the following categories:

- IEQ Credit 4.1—Low Emitting Materials – Adhesives & Sealants
- IEQ Credit 4.3—Low Emitting Materials – Flooring Systems
- IEQ Credit 5—Regional Materials

Prior to the start of the installation the installer must determine that the job-site conditions meet or exceed all applicable standards of the flooring manufacturer and AAT. Installation of flooring should be one of the last jobs of any construction project. The sub-floor should be prepared according to the standards and practices set forth in the most recent version of the document ASTM F-710. The AAT-620 adhesive is fully warranted and its performance is guaranteed.

Site Conditions:

Recommended Sub-floors ■ Concrete above, on or below grade ■ APA rated plywood underlayment ■ Properly prepared gypsum cement

The building should be completely enclosed. All outside doors and windows should be properly installed with latching mechanisms in place.

Landscaping should be sufficiently completed to direct water away from the building. Gutters and downspouts should be in place.

All concrete, masonry, plastering, drywall and other wet work should be completed and thoroughly dry prior to beginning the installation. Texturing and paint primer coats should be completed.

Basements and crawl spaces should be dry and adequately ventilated. Sub-floors must be checked for moisture content and emissions using industry accepted methods. Crawl spaces should meet local building codes regarding minimum heights, cross ventilation and the use of vapor retarders.

Sub-floors must be free from dust, dirt, grease, wax, curing agents, sealers, oil and any other bond inhibiting substances. The sub-floor should be flat within 3/16" in 10' or 1/8" in 6'. Sub-floors must have a pH of 7.0-10.0.

Prior to the application of AAT-620, sub-floors must be tested in strict accordance to the most recent versions of ASTM F-1869 and F-2170. Both testing protocols must be performed in order to provide the most accurate view of the sub-floor's condition. Sub-floors of lightweight concrete must be tested in strict accordance to the most recent version of ASTM F-2170. The placement of calcium chloride kits and humidity probes must follow the ASTM standards for proper locations and the correct quantity of test sites. These and other tests may be performed by AAT in the event of a warranty claim.

Sub-floors on and below grade must be protected from ground moisture with a functioning and intact Class A vapor retarder that conforms to the requirements of the most current version of ASTM E-1745. This vapor retarder must be directly beneath, and in contact with, the slab. Concrete must be dry with moisture emission rates not exceeding 8 lbs./1000 sq ft/24 hrs, as measured by the Anhydrous Calcium Chloride Test, ASTM F-1869. Lightweight concrete and gypsum cement can only be tested according to the requirements of ASTM F-2170. For gypsum cement, densified and lightweight concrete the *in situ* relative humidity should not exceed 90%. Before any moisture testing begins, the slab must be cured for a minimum of 30 days and the HVAC system must be operating for a minimum of 72 hours. Fill low areas with an appropriate leveling or patching compound. Leveling and patching compounds must be tested to ensure they are properly cured and within the manufacturer's specified requirements before proceeding with the installation. Mechanical surface profiling is the preferred sub-floor preparation method. Mechanically profile the sub-floor to a rough-grit sandpaper texture. Sanding or scouring with open paper or a titanium disk is preferred. All curing agents [topical and admix], adhesives, paints, varnishes, oils, waxes, dust, dirt and any other bond inhibiting substances must be removed. The removal of bond inhibiting substances must be by mechanical means: sanding, shot or bead blasting. AAT-620 cannot be used if adhesive removers, solvent or chemical cleaners have been used. Lightweight concrete and gypsum cement must be primed with AAT-570 Acrylic Primer before applying the adhesive. Sanded and other very porous substrates must also be primed with AAT-570 Acrylic Primer. Do NOT use AAT-620 over AdvanTech® sub-floor panels.

Strip or plank wood flooring, particleboard and OSB sub-floors should be covered with an approved underlayment (minimum thickness of ¼"). For assistance with specific sub-floors and floorings please contact our Technical Services Department. AAT-620 cannot be used if adhesive removers, solvent or chemical cleaners have been used. Regulations may require that existing flooring material or coatings be tested to determine the asbestos content. Refer to the instructions for removal and handling of resilient flooring published by the RFCI in the publication, Recommended Work Practices for Removal of Resilient Floor Coverings. The Resilient Floor Covering Institute may be reached thru their Website www.rfci.org or by calling 301-340-8580. For a copy of the Limited Warranty please contact Customer Service.

Slabs with a radiant heating system are acceptable sub-floors with the following stipulations. The heating system should be fully operational for a minimum of seven days prior to the installation. The system should be shut down to allow the slab to cool down to room temperature before applying the adhesive. Immediately after completing the installation turn the system back on and set to normal temperature. The sub-floor cannot exceed 85°F throughout the life of the installation. Check with the system manufacturer to determine that the system is designed for the desired R-rating for wood flooring. Failure to ensure proper system design can result in excessive heat damage and dimensional change to the flooring.

NOTE: The building should be completely enclosed. All outside doors and windows should be properly installed with latching mechanisms in place. Adequate ventilation should be available. The HVAC system for the building should be operational and provide a consistent temperature of 65-85°F (air and sub-floor) and humidity levels should be between 30-65% for a minimum of 72 hours prior to the installation. These conditions must be maintained to ensure the long-term success and performance of the installation.

F/G SHEET VINYL INSTALLATION:

1. The adhesive should be acclimated to the end use conditions for a minimum of 24 hours prior to the start of the installation.
2. Be familiar with the recommendations and any special instructions from the flooring manufacturer before beginning the installation. Refer to the information above for specific information regarding sub-floor preparation and site conditions.
3. After the sheet vinyl has acclimated and relaxed according to the manufacturer's instructions. Trim the flooring to fit the room. Now roll or lap back approximately half of the flooring to expose the sub-floor.
4. Apply the adhesive according to the flooring manufacturer's recommendations. It is the responsibility of the installer to correctly apply the adhesive and in the proper quantity. Pay particular attention to the adhesive application that will fall at the seams. Avoid puddles, thin spots, and voids when applying the adhesive.
5. Allow the adhesive to dry to the touch, not transferring to fingers. High humidity and low temperatures will affect drying time. When applying adhesive over nonporous substrates allow additional time for the adhesive to dry to a pressure sensitive state. Placing the sheet vinyl into wet adhesive will result in an aggressive, permanent bond.
7. Carefully, place the sheet vinyl into the adhesive to avoid trapping air under the flooring. Do not drop or flop the sheet vinyl into place. Using either the "broom method" or a three-section roller (max. 75lb.), according to the flooring manufacturer's recommendations, remove any trapped air.
8. When the first half is properly adhered, repeat the process for the remaining flooring. Be careful handling the material at the glue line. Do not distort any patterns or tear the backing.
9. Keep traffic to a minimum and avoid placing heavy furniture or appliances for a minimum of 48 hours.

CARPET TILE, VINYL PLANK and LVT INSTALLATION

1. The adhesive should be acclimated to the end use conditions for a minimum of 24 hours prior to the start of the installation.
2. Be familiar with the recommendations and any special instructions from the flooring manufacturer before beginning the installation. Refer to the information above for specific information regarding sub-floor preparation and site conditions.
3. Spread the adhesive with the appropriate trowel or roller [see below] and allow the adhesive to dry to a clear, tacky state. Fans can be used to speed the drying of the adhesive. Place the flooring into the dry, pressure sensitive adhesive. When installing vinyl plank or LVT only spread as much adhesive as can be covered with the flooring in under six hours.¹ When installing carpet tile AAT-620 has a working time of up to 24 hours. While applying the adhesive with a roller caution must be exercised to maintain an adequate adhesive coverage. For most applications the spread rate should not exceed 350 sq. ft. /gal.
4. Roll the installed flooring with a 75-100lb, three-section roller. Rolling should take place immediately after the flooring is placed into the adhesive.
5. It is recommended to minimize traffic over the newly installed flooring for at least 24 hours after the installation has been completed. The placement of heavy furniture and fixtures can begin after 48 hours. To replace furniture and appliances use plywood panels to protect the flooring. Do not wash or clean the floor for five days after completion of the installation.

TROWEL RECOMMENDATIONS:**

Carpet tile, vinyl plank, LVT

1/16" x 1/32" x 1/32" □ notch – up to 250 sq. ft./gal.

Approved carpet cushion:

1/16" x 1/16" x 1/16" □ notch – up to 175 sq.ft./gal.

For carpet tile and F/G sheet vinyl the adhesive may be applied with min. 3/8" nap roller – up to 350 sq. ft./gal.

****Note: Trowel Notch dimensions are Width x Depth x Separation****

SPECIFIC TECHNICAL DATA:

1. Non-flammable; solvent free, 0 g/l VOC [calculated by CA Rule 1168]
2. Color: White
3. Clean-Up: Remove wet adhesive with water and mild soap solution. Use AAT-197 Adhesive Remover to remove dried adhesive. Dried adhesive may be more difficult to remove; therefore, take care to remove adhesive from the surface of the flooring before it dries. DO NOT apply the solvent directly to the flooring material.
4. Packaging: 4 and 1 gallon pails
5. Shelf-Life: Up to 12 months from date of manufacture in the original, un-opened container when stored at 70°F.
6. Freeze-Thaw Stable to 20°F. For best results protect from freezing. Do not stir or agitate while frozen. Allow the adhesive to thaw completely at room temperature.

NOTE: We recommend installers follow the guidelines set forth in the flooring manufacturer's specific recommendations and the carpet installation standard CRI 104. Before placing the flooring, the adhesive must be allowed an open or dwell time appropriate for the flooring product, jobsite and sub-floor conditions. ¹ AAT-620 has an extended working time of up to six hours for vinyl plank, LVT, and sheet vinyl; for carpet tile the working time is up to 24 hours after the initial drying if the area is kept dust free. It is extremely important to maintain recommended notch depth, width and spacing. The proper notch depth is that which will produce adhesive ridges that affect a 100% transfer to both the substrate and the backing of the flooring to include the inner recesses of the texture of the back.

February 6, 2018

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/19/2018

Reviewed on 03/22/2018

1 Identification

- **Product identifier**
- **Trade name:** AAT-620
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Advanced Adhesive Technologies
424 South Spencer Street
Dalton, GA 30721
+1 (800) 228-4583
- **Emergency telephone number:**
CHEMTREC USA +1 (800) 424-9300 & INTERNATIONAL +1 (703) 527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.



GHS07

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

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**
ethyl acrylate
1,2-benzisothiazol-3(2H)-one
- **Hazard statements**
May cause an allergic skin reaction.
Suspected of causing cancer.
- **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).

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If skin irritation or rash occurs: Get medical advice/attention.

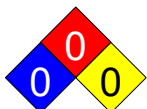
Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

140-88-5	ethyl acrylate	1.69%
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4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

140-88-5	ethyl acrylate	8.3 ppm
1336-21-6	ammonia	61 ppm
57-13-6	urea	30 mg/m ³

- **PAC-2:**

140-88-5	ethyl acrylate	36 ppm
1336-21-6	ammonia	330 ppm
57-13-6	urea	280 mg/m ³

- **PAC-3:**

140-88-5	ethyl acrylate	240 ppm
1336-21-6	ammonia	2,300 ppm
57-13-6	urea	1,700 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

140-88-5 ethyl acrylate

PEL	Long-term value: 100 mg/m ³ , 25 ppm Skin
REL	See Pocket Guide App. A
TLV	Short-term value: 61 mg/m ³ , 15 ppm Long-term value: 20 mg/m ³ , 5 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid
Color: According to product specification

- **Odor:** Characteristic

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range: Undetermined.

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Boiling point/Boiling range:	100 °C (212 °F)
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Water:	25.8 %
VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gl
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate)

Oral	LD50	47,337 mg/kg (rat)
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Dermal	LD50	108,521 mg/kg (rabbit)
Inhalative	LC50/4 h	128,994 mg/l (rat)

140-88-5 ethyl acrylate

Oral	LD50	800 mg/kg (rat)
Dermal	LD50	1,834 mg/kg (rabbit)
Inhalative	LC50/4 h	2,180 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

140-88-5	ethyl acrylate	2B
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **TSCA (Toxic Substances Control Act):**

9003-04-7	2-propenoic acid, homopolymer, sodium salt
140-88-5	ethyl acrylate
1336-21-6	ammonia
57-13-6	urea
2634-33-5	1,2-benzisothiazol-3(2H)-one
7732-18-5	water, distilled, conductivity or of similar purity

- **TSCA new (21st Century Act) (Substances not listed)**

- **Proposition 65**

- **Chemicals known to cause cancer:**

140-88-5	ethyl acrylate
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- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

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- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

57-13-6	urea	II
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- **TLV (Threshold Limit Value established by ACGIH)**

140-88-5	ethyl acrylate	A4
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- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

140-88-5	ethyl acrylate	
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- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Warning

- **Hazard-determining components of labeling:**

ethyl acrylate
1,2-benzisothiazol-3(2H)-one

- **Hazard statements**

May cause an allergic skin reaction.
Suspected of causing cancer.

- **Precautionary statements**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Technical Department

- **Contact:** Technical Director

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

US