

◆ **Paint & Body**

Many of the other regulated automotive hazardous materials can be found in the paint and body systems of the vehicle including, but not limited to:

- lift-gate supports (e.g., hood stays, trunk stays)
- windshield washer fluid (e.g., concentrate)
- paint
- paint related materials
- adhesives
- coating solutions



◆ **Gas Springs**

Lift-gate supports (also referred to as trunk stays or hood stays) are pressurized accumulators described as:

- UN3164, ARTICLES, PRESSURIZED PNEUMATIC, 2.2

These devices must be marked and labeled appropriately and packaged in strong outer, non-specification packaging, unless they meet the exceptions outlined in 49 CFR § 173.306(f)(4).



◆ **Windshield Washer Fluid**

Windshield washer fluid is generally regulated as a flammable liquid because it is a concentrated isopropanol or methanol solution. In most cases, this flammable liquid may be entitled to significant regulatory relief (e.g., CONSUMER COMMODITY, ORM-D) if it is packaged for retail distribution in receptacles ≤ 1.0 Liter (33.8 fluid ounces).

If diluted to less than 24% concentration, it may be “excepted” from the HMR altogether because of the exceptions for aqueous alcohol solutions, outlined in 49 CFR § 173.150(e).

◆ **Paint & Paint Related Material**

Paint and paint related materials (e.g., paint thinner, paint gun cleaner) are typically classified as flammable liquids, and described as:

- UN1263, PAINT, 3, II
- UN1263, PAINT RELATED MATERIAL, 3, II

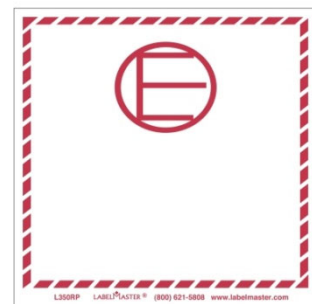
These flammable, solvent-based chemicals may be renamed as *Consumer Commodity* and reclassified as *ORM-D* if they are packaged in receptacles ≤ 1.0 L and are intended or suitable for retail distribution.



◆ **Touch-up Paint**

Small quantities of touch-up paint or paint related materials (e.g., striping preparation kits, adhesion promoter pens) may be entitled to significant regulatory relief if the inner receptacles are ≤ 30 ml (1 fluid ounce).

Module 4 – *Hazard Communication* outlines specific details for the preparation, marking and labeling of small or “excepted” quantities of hazardous materials such as touch-up paint pens, sealants, adhesives or other paint related materials or chemicals.



◆ **Adhesives**

Adhesives are most often solvent-based chemicals that are generally classified as flammable liquids, and described as:

- UN1133, ADHESIVES, 3, II

Like paint, paint related materials and other limited quantities of flammable liquids, these hazardous materials may be entitled to regulatory relief if packaged and distributed for retail sale.



Module 4 – *Hazard Communication* outlines specific details for the preparation, marking and labeling of small or “excepted” quantities of hazardous materials such as adhesives, paints, coating solutions and other chemicals.

◆ **Coating Solutions**

Many coating solutions are not regulated for transportation because the substance does not meet the hazard class criteria for flammable liquids; however, there are some coating solutions that contain solvents which cause them to be regulated as hazardous materials. Flammable liquid coating solutions may be described as:

UN1139, COATING SOLUTIONS, 3, II

Typical automotive coating solutions include, but are not limited to:

- windshield sealants
- vehicle undercoating
- soundproofing sealants

