



Cummins Requirements for Supplier MSDS

Cummins recognizes that its global supply partners share our commitment to the protection of employees, communities and the environment. With that in mind, Cummins has developed a list of requirements for Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all products supplied from our global supply base to Cummins sites or any of its subsidiaries, joint ventures, divisions or affiliates worldwide.

The purpose of these requirements is to ensure that all Material Safety Data Sheets provide adequate, reliable and consistent information on the chemical hazards to allow the Company to take effective preventive measures to ensure a cleaner, healthier and safer environment.

Cummins suppliers must comply with all applicable regulations regarding Material Safety Data Sheets. In all cases, suppliers must meet at least the following requirements:

- A. Material Safety Data Sheets should contain 16 headings based on the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)¹:
 1. Identification of the substance or mixture and of the supplier GHS product identifier.
 2. Hazards identification
 3. Composition/information on ingredients (including concentrations)
 4. First aid measures
 5. Firefighting measures
 6. Accidental release measures
 7. Handling and storage
 8. Exposure controls/personal protection
 9. Physical and chemical properties
 10. Stability and reactivity
 11. Toxicological information
 12. Ecological information
 13. Disposal considerations
 14. Transport information
 15. Regulatory information
 16. Other considerations including information on preparation and revision of the Safety Data Sheets
- B. Confidential business information or trade secrets related to the MSDS provided should be in accordance with the following principles²:
 - Confidential business information should not compromise the health and safety of the chemical user(s) or protection of the environment.
 - Claiming confidential business information will be limited to the identity of all ingredients and their concentrations in mixtures.
 - Cummins requests for disclosure should be purposely for one or more of the following:
 - a) assessing hazards of the chemical,
 - b) determination of exposure levels,



- c) medical surveillance of exposed employees,
 - d) potential medical treatment of exposed employees,
 - e) selecting and assessing personal protection equipment,
 - f) designing or assessing engineering controls or protective measures,
 - g) studies for health effects,
 - h) calculating emissions, and
 - i) determining applicability to environmental regulatory requirements
- C. Each MSDS provided shall be in the official language of the country in which the product will be used. English versions may also be requested.
- D. The supplier shall document the content of all constituents using a mass, volume or percentage based methodology. To the extent possible, Suppliers shall avoid the use of ranges when documenting the content of their products. For certain compounds where regulatory reporting and/or registration may be required, an understanding of precise concentrations is necessary and will be sought from the supplier.
- E. Suppliers must notify Cummins every time there is an update or modification to the MSDS previously submitted. Notification should also include an updated or revised MSDS.
- F. Suppliers shall periodically ensure (at least annually) that the information recorded accurately reflects the scientific evidence used in making the hazard determination or identifying the safety, health and environmental effects.
- G. Volatile Organic Compounds (VOC), Ozone Depleting Chemicals and other specific chemical classifications and designations should be identified and noted in the ecological information section or heading of the MSDS.

NOTES:

1. Please access the following link for content and a detailed description of each heading. Globally Harmonized System of Classification and Labeling of Chemicals (GHS). http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html United Nations 2005. Visited August 2010
2. For proprietary mixtures, Supplier is expected to provide MSDS with content consistent with the above requirements for general use and distribution in Cummins facilities. In addition, a separate communication containing the details of the proprietary content shall be made available to Cummins Purchasing, Safety and Environmental representatives who shall maintain trade secrecy. Cummins typically signs Confidential Disclosure Agreements (CDA's) with suppliers for this purpose and manages any proprietary information carefully within our internal systems.