ACGIH Biological Exposure Indices Value **Determinant** Components Specimen Sampling Time 0.02 ma/l Blood Toluene Creatinine in XYLENE (CAS 1330-20-7) 1.5 g/g Methylhippuric

Exposure guidelines

US - California OELs: Skin designation

TOLUENE (CAS 108-88-3) Can be absorbed through the skin.

acids

US - Minnesota Haz Subs: Skin designation applies

TOLUENE (CAS 108-88-3) Skin designation applies.

Appropriate engineering

controls

Provide eyewash station and safety shower. Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, appropriate local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/quidelines.

urine

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Suitable chemical protective gloves should be worn when the potential exists for skin exposure.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Butyl rubber gloves are recommended.

Wear appropriate chemical resistant clothing if applicable. Other

Respiratory protection If engineering controls do not maintain airborne concentrations to a level which is adequate to

protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection

Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

Wear appropriate thermal protective clothing, when necessary. Thermal hazards

Observe any medical surveillance requirements. When using do not smoke. Always observe good General hygiene considerations

personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid. **Form** Liquid. Color Various.

Not established. Odor

Odor threshold Not available. pН Not available. Melting point/freezing point Not available.

Initial boiling point and boiling

163 - 174 °F (72.78 - 78.89 °C)

range

26.0 - 36.0 °F (-3.3 - 2.2 °C) Pensky-Martens Closed Cup Flash point

Evaporation rate > 1 (BuAc=1) Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Explosive limit - lower (%) 1 % Explosive limit - upper (%) < 19 %

Vapor pressure Not available. > 1 (Air=1) Vapor density Not available.

Solubility(ies)

Relative density

Solubility (water) 0 %

FIR No.: 009836 SDS US Version: 01 6 / 14

Issue Date: 06-06-2022

^{* -} For sampling details, please see the source document.