

Upper/Lower Flammability Limits	Unknown
Vapor Pressure	≈ 4.9 mbar @ 20 °C
Vapor Density	2.5 (air =1)
Relative Density	0.95 g/cm ³ @ 20 °C
Solubility(ies)	Water and organic solvents.
Partition Coefficient: n-octanol/water	Unknown
Auto-Ignition Temperature	Unknown
Decomposition Temperature	Unknown
Viscosity	Unknown
Explosive Properties	Not explosive.
Oxidizing Properties	Unknown

Section 10. Stability and Reactivity

Reactivity	No relevant data available.
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	No hazardous reactions known.
Conditions to Avoid	Fire, static electricity, direct sunlight. Ignition sources, excess heat.
Incompatible Materials	Strong oxidizers, strong acids, strong bases. Reducing agents, alkali metals, halogenated agents, nitrates, metal oxides, chloroformates.
Hazardous Decomposition Materials	Carbon monoxide, oxides of nitrogen, carbon dioxide.

Section 11. Toxicological Information

Information on Toxicological Effects.	<p>Acute Toxicity. No relevant data available.</p> <p>Skin Corrosion/Irritation. Irritating to skin and mucous membranes. Readily absorbed through skin.</p> <p>Serious Eye Damage/Irritation. Irritating to eye.</p> <p>Respiratory or skin sensitization. No relevant data available.</p> <p>Germ Cell Mutagenicity. No relevant data available.</p>
Carcinogenicity.	<p>International Agency for Research on Cancer (IARC). Dimethyl Formamide, classified group 3.</p> <p>National Toxicology Program (NTP). None of the components are listed.</p>

Section 12. Ecological Information



Toxicity	<p>Fish: No relevant studies identified.</p> <p>Crustacea: No relevant studies identified.</p> <p>Algae/Aquatic Plants: No relevant studies identified.</p> <p>Other Organisms: No relevant studies identified.</p>
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Persistence and Degradability.	No relevant studies identified.
Bioaccumulative Potential.	No relevant studies identified.
Mobility in Soil.	No relevant studies identified.
Additional Remarks	None.
Results of PBT and vPvB Assessment.	PBT: This mixture does not contain any substances that are assessed to be a PBT. vPvB: This mixture does not contain any substances that are assessed to be a vPvB.

Section 13. Disposal Considerations

Waste Disposal Methods.	Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.
Product/Packaging Disposal.	Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.
Other Disposal Recommendations.	No relevant data available.

Section 14. Transport Information

UN Number DOT, IATA,IMDG, ADR	UN2265
UN Proper Shipping Name DOT, IATA,IMDG, ADR	N,N-DiMethyl Formamide.
Transport Hazard Class(es)	<p>DOT</p>  <p>Class 3 Flammable liquids. Label 3</p> <p>IATA, IMDG, ADR</p>  <p>Class 3 Flammable liquids. Label 3</p>
Packing Group DOT, IATA,IMDG, ADR	III
Environmental Hazards	Marine Pollutant: No
Special Precautions for User	Not applicable.
ADR Hazard Identification Number (Kemler Code).	Not applicable.
IMDG Segregation Group	Not applicable.
Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code.	Not applicable.

Section 15. Regulatory Information
Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.

Specific Toxic Chemical Listings; Section 313	Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Extremely Hazardous Substances; Section 355	None of the components in this mixture are listed.
Toxic Substances Control Act; TSCA	All of the components in this mixture are listed.
California Proposition 65	None of the components in this mixture are listed.
Chemical Safety Assessment	No Chemical Safety Assessment has been carried out for this substance/mixture by Teomics, LLC.
R phrases	<p>R48/20/21/22 EN: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. DA: Farlig: alvorlig sundhedsfare ved længere tids påvirkning ved indånding, hudkontakt og indtagelse. DE: Gesundheitsschädlich: Gefahr ernster Gesundheitsschäden bei längerer Exposition durch Einatmen, Berührung mit der Haut und durch Verschlucken. EL: Επιβλαβές: κίνδυνος σοβαρής βλάβης της υγείας ύστερα από παρα- τεταμένη έκθεση όταν εισπνέεται, σε επαφή με το δέρμα και σε περί- πτωση καταπόσεως. ES: Nocivo: riesgo de efectos graves para la salud en caso de exposición prolongada por inhalación, contacto con la piel e ingestión. FR: Nocif: risque d'effets graves pour la sante en cas d'exposition prolongee par inhalation, par contact avec la peau et par ingestion. IT: Nocivo: pericolo di gravi danni alla salute in caso di esposizione prolungata per inalazione, a contatto con la pelle e per ingestione. NL: Schadelijk: gevaar voor ernstige schade aan de gezondheid bij langdurige blootstelling bij inademing, aanraking met de huid en opname door de mond. PT: Nocivo: risco de efeitos graves para a saúde em caso de exposição prolongada por inalação, em contacto com a pele e por ingestão. SV: Farligt: risk för allvarliga hälsoskador vid långvarig exponering genom inandning, hudkontakt och förtäring.</p> <p>R36/37/38 EN: Irritating to eyes, respiratory system and skin. DA: Irriterer øjnene, åndedrætsorganerne og huden. DE: Reizt die Augen, Atmungsorgane und die Haut. EL: Ερεθίζει τα μάτια, το αναπνευστικό σύστημα και το δέρμα. ES: Irrita los ojos, la piel y las vías respiratorias. FR: Irritant pour les yeux, les voies respiratoires et la peau. IT: Irritante per gli occhi, le vie respiratorie e la pelle. NL: Irriterend voor de ogen, de ademhalingswegen en de huid. PT: Irritante para os olhos, vias respiratórias e pele. SV: Irriterar ögonen, andningsorganen och huden.</p> <p>R63 EN: Possible risk of harm to the unborn child. DA: Mulighed for skade på barnet under graviditeten. DE: Kann das Kind im Mutterleib möglicherweise schädigen. EL: Πιθανός κίνδυνος δυσμενών επιδράσεων στο έμβρυο κατά τη διάρ- κεια της κύησης. ES: Posible riesgo durante el embarazo de efectos adversos para el feto. FR: Risque possible pendant la grossesse d'effets nefastes pour l'enfant. IT: Possibile rischio di danni ai bambini non ancora nati. NL: Mogelijk gevaar voor beschadiging van het ongeboren kind. PT: Possíveis riscos durante a gravidez com efeitos adversos na descendência. SV: Möjlig risk för fosterskador.</p>

S phrases	<p>S36/37/39 EN: Wear suitable protective clothing, gloves and eye/face protection. DA: Brug særligt arbejdstøj, egnede beskyttelseshandsker og -briller/ansigtsskærm. DE: Bei der Arbeit geeignete Schutzkleidung, Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen. EL: Φοράτε κατάλληλη προστατευτική ενδυμασία, γάντια και συσκευή προστασίας ματιών/προσώπου ES: Úsense indumentaria y guantes adecuados y protección para los ojos/la cara. FR: Porter un vêtement de protection approprié, des gants et un appareil de protection des yeux/du visage. IT: Usare indumenti protettivi e guanti adatti e proteggersi gli occhi/la faccia. NL: Draag geschikte beschermende kleding, handschoenen en een beschermingsmiddel voor de ogen/het gezicht. PT: Usar vestuário de protecção, luvas e equipamento protector para os olhos /face adequados. SV: Använd lämpliga skyddskläder, skyddshandskar samt skyddsglasögon eller ansiktsskydd.</p> <p>S45 EN: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). DA: Ved ulykkestilfælde eller ved ildebefindende er omgående lægebehandling nødvendig; vis etiketten, hvis det er muligt. DE: Bei Unfall oder Unwohlsein sofort Arzt zuziehen (wenn möglich, dieses Etikett vorzeigen). EL: Σε περίπτωση ατυχήματος ή αν αισθανθείτε αδιαθεσία ζητήστε αμέσως ιατρική συμβουλή (δείξτε την ετικέτα αν είναι δυνατό). ES: En caso de accidente o malestar, acúdase inmediatamente al médico (si es posible, muéstresele la etiqueta). FR: En cas d'accident ou de malaise, consulter immédiatement un medecin (si possible lui montrer l'etiquette). IT: In caso di incidente o di malessere consultare immediatamente il medico (se possibile, mostrargli l'etichetta). NL: Bij een ongeval of indien men zich onwel voelt, onmiddellijk een arts raadplegen (indien mogelijk hem dit etiket tonen). PT: Em caso de acidente ou de indisposição, consultar imediatamente o médico (se possível mostrar-lhe o rótulo). SV: Vid olycksfall, illamående eller annan påverkan, kontakta omedelbart läkare. Visa om möjligt etiketten.</p>
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Section 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teomics, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.