

SAFETY DATA SHEET

Products Containing Dako Antibody Diluent (Ab)

Section 1. Identification

1.1 Product identifier

Product name

: Products Containing Dako Antibody Diluent (Ab)


Part no.

: GA085, GA086, GA087, GA500, GA503, GA504, GA505, GA506, GA507, GA508, GA509, GA510, GA511, GA512, GA513, GA515, GA519, GA521, GA523, GA524, GA527, GA602, GA604, GA605, GA607, GA609, GA610, GA611, GA613, GA615, GA616, GA618, GA619, GA621, GA622, GA623, GA624, GA625, GA626, GA629, GA630, GA632, GA636, GA637, GA641, GA642, GA643, GA644, GA647, GA648, GA650, GA651, GA652, GA656, GA659, GA660, GA662, GA701, GA702, GA751, GA752, GA777, GA780, GA781, GA784, GA785, GA786, GA787, GE020, GE085, GE086, GE087, GE102, IR500, IR503, IR504, IR505, IR506, IR507, IR508, IR509, IR510, IR511, IR512, IR513, IR515, IR517, IR519, IR521, IR523, IR524, IR527, IR602, IR604, IR606, IR607, IR608, IR609, IR610, IR611, IR612, IR613, IR614, IR615, IR616, IR618, IR619, IR620, IR621, IR622, IR623, IR624, IR625, IR626, IR627, IR628, IR629, IR630, IR632, IR633, IR636, IR637, IR640, IR641, IR642, IR643, IR644, IR647, IR648, IR649, IR650, IR651, IR652, IR653, IR656, IR657, IR658, IR659, IR660, IR661, IR662, IR700, IR701, IR702, IR751, IR752, IR753, IR777, IR779, IR780, IR781, IR786

Validation date

: 4/28/2025

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses:  Laboratory use
Container type: Bottle
GA085 // FLEX Monoclonal Mouse Anti-Human MSH2, Clone FE11, Ready-to-Use (Dako Omnis) // 12 ml
GA086 // FLEX Monoclonal Rabbit Anti-Human MSH6, Clone EP49, Ready-to-Use (Dako Omnis) // 12 ml
GA087 // FLEX Monoclonal Rabbit Anti-Human PMS2, Clone EP51, Ready-to-Use (Dako Omnis) // 12 ml
GA500 // FLEX Polyclonal Rabbit Anti-Human Alpha-1-Fetoprotein, RTU (Dako Omnis) // 12 ml
GA503 // FLEX Polyclonal Rabbit Anti-Human CD3, RTU (Dako Omnis) // 12 ml
GA504 // FLEX Polyclonal Rabbit Anti-S100, RTU (Dako Omnis) // 12 ml
GA505 // FLEX Polyclonal Rabbit Anti-Human Alpha-1-Antitrypsin, RTU (Dako Omnis) // 12 ml
GA506 // FLEX Polyclonal Rabbit Anti-Human Kappa Light Chains, RTU (Dako Omnis) // 12 ml
GA507 // FLEX Polyclonal Rabbit Anti-Human Lambda Light Chains, RTU (Dako Omnis) // 12 ml
GA508 // FLEX Polyclonal Rabbit Anti-Human Chorionic Gonadotropin, RTU (Dako Omnis) // 12 ml
GA509 // FLEX Polyclonal Rabbit Anti-Human Thyroglobulin, RTU (Dako Omnis) // 12 ml
GA510 // FLEX Polyclonal Rabbit Anti-Human IgA, RTU (Dako Omnis) // 12 ml
GA511 // FLEX Polyclonal Rabbit Anti-Human Myeloperoxidase, RTU (Dako Omnis) // 12 ml
GA512 // FLEX Polyclonal Rabbit Anti-Human IgG, RTU (Dako Omnis) // 12 ml
GA513 // FLEX Polyclonal Rabbit Anti-Human IgM, RTU (Dako Omnis) // 12 ml
GA515 // FLEX Polyclonal Rabbit Anti-Human Calcitonin, RTU (Dako Omnis) // 12 ml
GA519 // FLEX Polyclonal Rabbit Anti-Human Gastrin, RTU (Dako Omnis) // 12 ml
GA521 // FLEX Polyclonal Rabbit Anti-Herpes Simplex Virus Type 1, RTU (Dako Omnis) // 12 ml
GA523 // FLEX Polyclonal Rabbit Anti-Helicobacter Pylori, RTU (Dako Omnis) // 12 ml
GA524 // FLEX Polyclonal Rabbit Anti-Glial Fibrillary Acidic Protein, RTU (Dako Omnis) // 12 ml
GA527 // FLEX Polyclonal Rabbit Anti-Human Von Willebrand Factor, RTU (Dako Omnis) // 12 ml
GA602 // FLEX Monoclonal Mouse Anti-Human CD30, Clone Ber-H2, RTU (Dako

Section 1. Identification

Omnis) // 12 ml
 GA604 // FLEX Monoclonal Mouse Anti-Human CD20cy, Clone L26, RTU (Dako Omnis) // 12 ml
 GA605 // FLEX Monoclonal Mouse Anti-Human Amyloid A, Clone mc1, RTU (Dako Omnis) // 12 ml
 GA607 // FLEX Monoclonal Mouse Anti-Human Neurofilament Protein, Clone 2F11, RTU (Dako Omnis) // 12 ml
 GA609 // FLEX Monoclonal Mouse Anti-Human CD68, Clone KP1, RTU (Dako Omnis) // 12 ml
 GA610 // FLEX Monoclonal Mouse Anti-Human CD31, Endothelial Cell, Clone JC70A, RTU (Dako Omnis) // 12 ml
 GA611 // FLEX Monoclonal Mouse Anti-Human Smooth Muscle Actin, Clone 1A4, RTU (Dako Omnis) // 12 ml
 GA613 // FLEX Monoclonal Mouse Anti-Human CD68, Clone PG-M1, RTU (Dako Omnis) // 12 ml
 GA615 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 19, Clone RCK108, RTU (Dako Omnis) // 12 ml
 GA616 // FLEX Monoclonal Mouse Anti-Human p53 Protein, Clone DO-7, RTU (Dako Omnis) // 12 ml
 GA618 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 18, Clone DC 10, RTU (Dako Omnis) // 12 ml
 GA619 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 7, Clone OV-TL 12/30, RTU (Dako Omnis) // 12 ml
 GA621 // FLEX Monoclonal Mouse Anti-Human CD79 α , Clone JCB117, RTU (Dako Omnis) // 12 ml
 GA622 // FLEX Monoclonal Mouse Anti-Human Carcinoembryonic Antigen, Clone II-7, RTU (Dako Omnis) // 12 ml
 GA623 // FLEX Monoclonal Mouse Anti-Human CD8, Clone C8/144B, RTU (Dako Omnis) // 12 ml
 GA624 // FLEX Monoclonal Mouse Anti-Human Hepatocyte, Clone OCH1E5, RTU (Dako Omnis) // 12 ml
 GA625 // FLEX Monoclonal Mouse Anti-Human BCL6 Protein, Clone PG-B6p, RTU (Dako Omnis) // 12 ml
 GA626 // FLEX Monoclonal Mouse Anti-Human Ki-67 Antigen, Clone MIB-1, RTU (Dako Omnis) // 12 ml
 GA629 // FLEX Monoclonal Mouse Anti-Human Epithelial Membrane Antigen, Clone E29, RTU (Dako Omnis) // 12 ml
 GA630 // FLEX Monoclonal Mouse Anti-Vimentin, Clone V9, RTU (Dako Omnis) // 12 ml
 GA632 // FLEX Monoclonal Mouse Anti-Human CD34 Class II, Clone QBEnd 10, RTU (Dako Omnis) // 12 ml
 GA636 // FLEX Monoclonal Mouse Anti-Human CD43, Clone DF-T1, RTU (Dako Omnis) // 12 ml
 GA637 // FLEX Monoclonal Mouse Anti-Human Epithelial Antigen, Clone Ber-EP4, RTU (Dako Omnis) // 12 ml
 GA641 // FLEX Monoclonal Mouse Anti-Human CD246, ALK Protein, Clone ALK1, RTU (Dako Omnis) // 12 ml
 GA642 // FLEX Monoclonal Mouse Anti-Human CD138, Clone MI15, RTU (Dako Omnis) // 12 ml
 GA643 // FLEX Monoclonal Mouse Anti-Human CD7, Clone CBC.37, RTU (Dako Omnis) // 12 ml
 GA644 // FLEX Monoclonal Mouse Anti-Human MUM1 Protein, Clone MUM1p, RTU (Dako Omnis) // 12 ml
 GA647 // FLEX Monoclonal Mouse Anti-Human CD57, Clone TB01, RTU (Dako Omnis) // 12 ml
 GA648 // FLEX Monoclonal Mouse Anti-Human CD10, Clone 56C6, RTU (Dako Omnis) // 12 ml
 GA650 // FLEX Monoclonal Mouse Anti-Human B-Cell-Specific Activator Protein, Clone DAK-Pax5, RTU (Dako Omnis) // 12 ml
 GA651 // FLEX Monoclonal Mouse Anti-Human CD2, Clone AB75, RTU (Dako Omnis) // 12 ml

Section 1. Identification

GA652 // FLEX Monoclonal Mouse Anti-Human Nucleophosmin, Clone 376, RTU (Dako Omnis) // 12 ml

GA656 // FLEX Monoclonal Mouse Anti-Human CD19, Clone LE-CD19, RTU (Dako Omnis) // 12 ml

GA659 // FLEX Monoclonal Rabbit Anti-Human ERG, Clone EP111, RTU (Dako Omnis) // 12 ml

GA660 // FLEX Monoclonal Mouse Anti-Human Synaptophysin, Clone DAK-SYNAP, RTU (Dako Omnis) // 12 ml

GA662 // FLEX Monoclonal Mouse Anti-Human p63 Protein, Clone DAK-p63, RTU (Dako Omnis) // 12 ml

GA701 // FLEX Monoclonal Mouse Anti-Human CA 125, Clone M11, RTU (Dako Omnis) // 12 ml

GA702 // FLEX Monoclonal Mouse Anti-Human Beta-Catenin, Clone β -Catenin-1, RTU (Dako Omnis) // 12 ml

GA751 // FLEX Monoclonal Mouse Anti-Human CD45, Leucocyte Common Antigen, Clones 2B11 + PD7/26, RTU (Dako Omnis) // 12 ml

GA752 // FLEX Monoclonal Mouse Anti-Cytomegalovirus, Clones CCH2 + DDG9, RTU (Dako Omnis) // 12 ml

GA777 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 20, Clone Ks20.8, RTU (Dako Omnis) // 12 ml

GA780 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 5/6, Clone D5/16 B4, RTU (Dako Omnis) // 12 ml

GA781 // FLEX Monoclonal Mouse Anti-Human CD23, Clone DAK-CD23, RTU (Dako Omnis) // 12 ml

GA784 // FLEX Monoclonal Rabbit Anti-Human p40, Clone DAK-p40, RTU (Dako Omnis) // 12 ml

GA785 // FLEX Monoclonal Mouse Anti-Human EML4-ALK Protein, Clone OTIJ1A4, RTU (Dako Omnis) // 12 ml

GA786 // FLEX Monoclonal Mouse Anti-Human CD10, Clone DAK-CD10, RTU (Dako Omnis) // 12 ml

GA787 // FLEX Monoclonal Rabbit Anti-Human BRAF V600E, Clone DAK-BRAF V600E, Ready-to-Use (Dako Omnis) // 12 ml

GE020 // Monoclonal Mouse Anti-Human Ki-67, Clone MIB-1 (Dako Omnis) // Ki-67 IHC pharmDx // 12 mL

GE020 // Negative Control Reagent (Dako Omnis) // Ki-67 IHC pharmDx // 12 mL

GE085 // MSH2 IHC pharmDx (Dako Omnis) // 12mL

GE086 // MSH6 IHC pharmDx (Dako Omnis) // 12 mL

GE087 // PMS2 IHC pharmDx (Dako Omnis) // 12 mL

GE102 // MMR Negative Control Reagent, Rabbit (Dako Omnis) // 12 mL

IR500 // FLEX Polyclonal Rabbit Anti-Human Alpha-1-Fetoprotein, RTU (Link) // 12 ml

IR503 // FLEX Polyclonal Rabbit Anti-Human CD3, RTU (Link) // 12 ml

IR504 // FLEX Polyclonal Rabbit Anti-S100, RTU (Link) // 12 ml

IR505 // FLEX Polyclonal Rabbit Anti-Human Alpha-1-Antitrypsin, RTU (Link) // 12 ml

IR506 // FLEX Polyclonal Rabbit Anti-Human Kappa Light Chains, RTU (Link) // 12 ml

IR507 // FLEX Polyclonal Rabbit Anti-Human Lambda Light Chains, RTU (Link) // 12 ml

IR508 // FLEX Polyclonal Rabbit Anti-Human Chorionic Gonadotropin, RTU (Link) // 12 ml

IR509 // FLEX Polyclonal Rabbit Anti-Human Thyroglobulin, RTU (Link) // 12 ml

IR510 // FLEX Polyclonal Rabbit Anti-Human IgA, RTU (Link) // 12 ml

IR511 // FLEX Polyclonal Rabbit Anti-Human Myeloperoxidase, RTU (Link) // 12 ml

IR512 // FLEX Polyclonal Rabbit Anti-Human IgG, RTU (Link) // 12 ml

IR513 // FLEX Polyclonal Rabbit Anti-Human IgM, RTU (Link) // 12 ml

IR515 // FLEX Polyclonal Rabbit Anti-Human Calcitonin, RTU (Link) // 12 ml

IR517 // FLEX Polyclonal Rabbit Anti-Human IgD, RTU (Link) // 12 ml

IR519 // FLEX Polyclonal Rabbit Anti-Human Gastrin, RTU (Link) // 12 ml

IR521 // FLEX Polyclonal Rabbit Anti-Herpes Simplex Virus Type 1, RTU (Link) // 12 ml

IR523 // FLEX Polyclonal Rabbit Anti-Helicobacter Pylori, RTU (Link) // 12 ml

IR524 // FLEX Polyclonal Rabbit Anti-Glial Fibrillary Acidic Protein, RTU (Link) // 12 ml

IR527 // FLEX Polyclonal Rabbit Anti-Human Von Willebrand Factor, RTU (Link) // 12 ml

IR602 // FLEX Monoclonal Mouse Anti-Human CD30, Clone Ber-H2, RTU (Link) // 12 ml

Section 1. Identification

IR604 // FLEX Monoclonal Mouse Anti-Human CD20cy, Clone L26, RTU (Link) // 12 ml
 IR606 // FLEX Monoclonal Mouse Anti-Human Desmin, Clone D33, RTU (Link) // 12 ml
 IR607 // FLEX Monoclonal Mouse Anti-Human Neurofilament Protein, Clone 2F11, RTU (Link) // 12 ml
 IR608 // FLEX Monoclonal Mouse Anti-Human CD21, Clone 1F8, RTU (Link) // 12 ml
 IR609 // FLEX Monoclonal Mouse Anti-Human CD68, Clone KP1, RTU (Link) // 12 ml
 IR610 // FLEX Monoclonal Mouse Anti-Human CD31, Endothelial Cell, Clone JC70A, RTU (Link) // 12 ml
 IR611 // FLEX Monoclonal Mouse Anti-Human Smooth Muscle Actin, Clone 1A4, RTU (Link) // 12 ml
 IR612 // FLEX Monoclonal Mouse Anti-Human Neuron-Specific Enolase, Clone BBS/NC/VI-H14, RTU (Link) // 12 ml
 IR613 // FLEX Monoclonal Mouse Anti-Human CD68, Clone PG-M1, RTU (Link) // 12 ml
 IR614 // FLEX Monoclonal Mouse Anti-Human BCL2 Oncoprotein, Clone 124, RTU (Link) // 12 ml
 IR615 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 19, Clone RCK108, RTU (Link) // 12 ml
 IR616 // FLEX Monoclonal Mouse Anti-Human p53 Protein, Clone DO-7, RTU (Link) // 12 ml
 IR618 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 18, Clone DC 10, RTU (Link) // 12 ml
 IR619 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 7, Clone OV-TL 12/30, RTU (Link) // 12 ml
 IR620 // FLEX Monoclonal Mouse Anti-Cytokeratin 17, Clone E3, RTU (Link) // 12 ml
 IR621 // FLEX Monoclonal Mouse Anti-Human CD79 ζ , Clone JCB117, RTU (Link) // 12 ml
 IR622 // FLEX Monoclonal Mouse Anti-Human Carcinoembryonic Antigen, Clone II-7, RTU (Link) // 12 ml
 IR623 // FLEX Monoclonal Mouse Anti-Human CD8, Clone C8/144B, RTU (Link) // 12 ml
 IR624 // FLEX Monoclonal Mouse Anti-Human Hepatocyte, Clone OCH1E5, RTU (Link) // 12 ml
 IR625 // FLEX Monoclonal Mouse Anti-Human BCL6 Protein, Clone PG-B6p, RTU (Link) // 12 ml
 IR626 // FLEX Monoclonal Mouse Anti-Human Ki-67 Antigen, Clone MIB-1, RTU (Link) // 12 ml
 IR627 // FLEX Monoclonal Mouse Anti-Human Calretinin, Clone DAK-Calret 1, RTU (Link) // 12 ml
 IR628 // FLEX Monoclonal Mouse Anti-Human CD56, Clone 123C3, RTU (Link) // 12 ml
 IR629 // FLEX Monoclonal Mouse Anti-Human Epithelial Membrane Antigen, Clone E29, RTU (Link) // 12 ml
 IR630 // FLEX Monoclonal Mouse Anti-Vimentin, Clone V9, RTU (Link) // 12 ml
 IR632 // FLEX Monoclonal Mouse Anti-Human CD34 Class II, Clone QBEnd 10, RTU (Link) // 12 ml
 IR633 // FLEX Monoclonal Mouse Anti-Human Melan-A, Clone A103, RTU (Link) // 12 ml
 IR636 // FLEX Monoclonal Mouse Anti-Human CD43, Clone DF-T1, RTU (Link) // 12 ml
 IR637 // FLEX Monoclonal Mouse Anti-Human Epithelial Antigen, Clone Ber-EP4, RTU (Link) // 12 ml
 IR640 // FLEX Monoclonal Mouse Anti-Human Mast Cell Tryptase, Clone AA1, RTU (Link) // 12 ml
 IR641 // FLEX Monoclonal Mouse Anti-Human CD246, ALK Protein, Clone ALK1, RTU (Link) // 12 ml
 IR642 // FLEX Monoclonal Mouse Anti-Human CD138, Clone MI15, RTU (Link) // 12 ml
 IR643 // FLEX Monoclonal Mouse Anti-Human CD7, Clone CBC.37, RTU (Link) // 12 ml
 IR644 // FLEX Monoclonal Mouse Anti-Human MUM1 Protein, Clone MUM1p, RTU (Link) // 12 ml
 IR647 // FLEX Monoclonal Mouse Anti-Human CD57, Clone TB01, RTU (Link) // 12 ml
 IR648 // FLEX Monoclonal Mouse Anti-Human CD10, Clone 56C6, RTU (Link) // 12 ml
 IR649 // FLEX Monoclonal Mouse Anti-Human CD4, Clone 4B12, RTU (Link) // 12 ml

Section 1. Identification

IR650 // FLEX Monoclonal Mouse Anti-Human B-Cell-Specific Activator Protein, Clone DAK-Pax5, RTU (Link) // 12 ml
 IR651 // FLEX Monoclonal Mouse Anti-Human CD2, Clone AB75, RTU (Link) // 12 ml
 IR652 // FLEX Monoclonal Mouse Anti-Human Nucleophosmin, Clone 376, RTU (Link) // 12 ml
 IR653 // FLEX Monoclonal Mouse Anti-Human ZAP-70, Clone 2F3.2, RTU (Link) // 12 ml
 IR656 // FLEX Monoclonal Mouse Anti-Human CD19, Clone LE-CD19, RTU (Link) // 12 ml
 IR657 // FLEX Monoclonal Mouse Anti-Human Estrogen Receptor α , Clone 1D5, RTU (Link) // 12 ml
 IR658 // FLEX Monoclonal Mouse Anti-Human MUC2, Clone CCP58, RTU (Link) // 12 ml
 IR659 // FLEX Monoclonal Rabbit Anti-Human ERG, Clone EP111, RTU (Link) // 12 ml
 IR660 // FLEX Monoclonal Mouse Anti-Human Synaptophysin, Clone DAK-SYNAP, RTU (Link) // 12 ml
 IR661 // FLEX Monoclonal Mouse Anti-Human MUC5AC, Clone CLH2, RTU (Link) // 12 ml
 IR662 // FLEX Monoclonal Mouse Anti-Human p63 Protein, Clone DAK-p63, RTU (Link) // 12 ml
 IR700 // FLEX Monoclonal Mouse Anti-Human Muscle Actin, Clone HHF35, RTU (Link) // 12 ml
 IR701 // FLEX Monoclonal Mouse Anti-Human CA 125, Clone M11, RTU (Link) // 12 ml
 IR702 // FLEX Monoclonal Mouse Anti-Human Beta-Catenin, Clone β -Catenin-1, RTU (Link) // 12 ml
 IR751 // FLEX Monoclonal Mouse Anti-Human CD45, Leucocyte Common Antigen, Clones 2B11 + PD7/26, RTU (Link) // 12 ml
 IR752 // FLEX Monoclonal Mouse Anti-Cytomegalovirus, Clones CCH2 + DDG9, RTU (Link) // 12 ml
 IR753 // FLEX Monoclonal Mouse Anti-Epstein-Barr Virus, LMP, Clones CS.1-4, RTU (Link) // 12 ml
 IR777 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 20, Clone Ks20.8, RTU (Link) // 12 ml
 IR779 // FLEX Monoclonal Mouse Anti-Human Placental Alkaline Phosphatase, Clone 8A9, RTU (Link) // 12 ml
 IR780 // FLEX Monoclonal Mouse Anti-Human Cytokeratin 5/6, Clone D5/16 B4, RTU (Link) // 12 ml
 IR781 // FLEX Monoclonal Mouse Anti-Human CD23, Clone DAK-CD23 (Link) // 12 ml
 IR786 // FLEX Monoclonal Mouse Anti-Human CD10, Clone DAK-CD10, RTU (Link) // 12 ml
 Reference number: SDS400

[1.3 Details of the supplier of the safety data sheet](#)

Supplier/Manufacturer

: Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 Tel: +1 800 227 9770

Agilent Technologies Singapore (International) Pte Ltd.
 No. 1 Yishun Avenue 7
 Singapore, 768923
 Tel. (65) 6276 2622

Agilent Technologies Denmark ApS
 Produktionsvej 42
 2600 Glostrup,
 Denmark
 Tel. +45 44 85 95 00

Section 1. Identification

www.Agilent.com

e-mail address of person responsible for this SDS : SDS@Agilent.com

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Not classified.

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

2.2 GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.
Precautionary statements
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.

2.3 Other hazards

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- 7.2 Conditions for safe storage, including any incompatibilities** : Specific storage conditions: Please consult the label. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

None.

Biological exposure indices

No exposure indices known.

8.2 Exposure controls

Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Liquid. [Clear.]
- Color** : Colorless.
- Odor** : Odorless.
- Odor threshold** : Not available.
- pH** : 7.6
- Melting point/freezing point** : 0°C (32°F)
- Boiling point or initial boiling point and boiling range** : 100°C (212°F)
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability** : Not applicable.
- Lower and upper explosion limit/flammability limit** : Not available.
- Vapor pressure** :

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapor Pressure at 20° C			Vapor pressure at 50° C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
water	17.5	2.3	-	92.258	12.3	-

Relative vapor density : Not available.

Relative density : Not available.

Solubility(ies) :

Media	Result
water	Soluble

Miscible with water : Yes.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

<u>Acute toxicity</u>	
Conclusion/Summary [Product]	: Not available.
<u>Skin corrosion/irritation</u>	
Conclusion/Summary [Product]	: Not available.
<u>Serious eye damage/eye irritation</u>	
Conclusion/Summary [Product]	: Not available.

Section 11. Toxicological information

Respiratory corrosion/irritation

Conclusion/Summary : Not available.
[Product]

Respiratory or skin sensitization

Skin

Conclusion/Summary : Not available.
[Product]

Respiratory

Conclusion/Summary : Not available.
[Product]

Germ cell mutagenicity

Conclusion/Summary : Not available.
[Product]

Carcinogenicity

Not available.

Conclusion/Summary : Not available.
[Product]

Reproductive toxicity

Conclusion/Summary : Not available.
[Product]

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.

Section 11. Toxicological information

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary [Product] : Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

12.1 Toxicity

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/Water partition coefficient : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

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

U.S. Federal regulations

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Section 15. Regulatory information

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Sodium azide	<0.1	Yes.	500	-	1000	-

SARA 304 RQ : 1111111.1 lbs / 504444.4 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : Not determined.

Canada : Not determined.

China : All components are listed or exempted.

Japan : **Japan inventory (CSCL)**: Not determined.
Japan inventory (ISHL): Not determined.

New Zealand : Not determined.

Philippines : Not determined.

Republic of Korea : Not determined.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.

Viet Nam : Not determined.

Section 16. Other information

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of issue/Date of revision	: 04/28/2025
Date of previous issue	: 04/01/2025
Version	: 9.2
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor DOT = Department of Transportation GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods IMO = International Maritime Organization LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group TDG = Transportation of Dangerous Goods UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

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