

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

2. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Weight : 84.93 g/mol

3. HAZARDS IDENTIFICATION

Target Organs

HMIS Classification

Flammability: 0

VFPA Rating

Fire: 0

Potential Health Effects

Sigma-Aldrich - D65100

Delivery 0830585140-000010 Purchase Order 104513

May be harmful if absorbed through skin. May cause skin irritation.
May cause eye irritation.
Harmful if swallowed.

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

Wash off with soap and plenty of water. Consult a physician.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Flammable properties

Flash point	no data available
Flash point	no data available

Ignition temperature 556.1 °C (1,033.0 °F) -

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chem

Special protective equipment for fire-fighters

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Handling

Avoid inhalation of vapour or mist.

Normal measures for preventive fire protection.

Keep container tightly closed in a dry and well-ventilated place.

11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-10

Components with workplace control parameters

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11. TOXICOLOGICAL INFORMATION Acute toxicity LD50 Oral - rat - 1,600 mg/kg Remarks: Behavioral: Ataxia. LC50 Inhalation - rat - 52,000 mg/m3 Irritation and corrosion Skin - rabbit - Skin irritation - 24 h Eyes - rabbit - Mild eye irritation - 24 h Sensitisation no data available Chronic exposure Carcinogenicity - rat - Inhalation Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors. This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. IARC: Group 2B - The agent (mixture) is possibly carcinogenic to humans. (Methylene chloride) NTP: Reasonably anticipated to be human carcinogens. (Methylene chloride) OSHA: 19.101.052 (Methylene chloride) Genotoxicity in vivo - rat - Oral DNA damage	
Signs and Symptoms of Exposure Dichloromethane is metabolized in the body producing carbon monoxide which increases and sustains carboxyhemoglobin levels in the blood, reducing the oxygen-carrying capacity of the blood. Acts as a simple asphyxiant by displacing air, anesthetic effects. Difficulty in breathing, Headache, Dizziness, Prolonged or repeated contact with skin may cause, defatting, Dermatitis. Contact with eyes can cause, Redness, Blurred vision, Provokes tears. Effects due to ingestion may include: Gastrointestinal discomfort, Central nervous system depression, Parosmia, Drowsiness, Convulsions, Conjunctivitis, Pulmonary edema. Effects may be delayed. Irregular breathing, Stomach/intestinal disorders, Nausea, Vomiting, Increased liver enzymes, Weakness, Heavy or prolonged skin exposure may result in the absorption of harmful amounts of material, Abdominal pain Potential Health Effects Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation. Ingestion Harmful if swallowed. Target Organs Liver, pancreas, Blood,	
12. ECOLOGICAL INFORMATION Elimination information (persistence and degradability) no data available Ecotoxicity effects Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h NOEC - Cyprinodon variegatus (sheepshead minnow) - 130 mg/l - 96 h Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,682.00 mg/l - 48 h	
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and other aquatic invertebrates. Further information on ecology no data available	
13. DISPOSAL CONSIDERATIONS Product Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packaging Dispose of as unused product.	
14. TRANSPORT INFORMATION DOT (US) UN-Number: 1593 Class: 6.1 Packing group: III Proper shipping name: Dichloromethane IMDG UN-Number: 1593 Class: 6.1 Packing group: III Proper shipping name: DICHLOROMETHANE Marine pollutant: No IATA UN-Number: 1593 Class: 6.1 Packing group: III Proper shipping name: Dichloromethane EMS-No: F-A, S-A	
15. REGULATORY INFORMATION OSHA Hazards Target Organ Effect, Harmful by ingestion., Irritant, Carcinogen TSCA Status On TSCA Inventory DSL Status All components of this product are on the Canadian DSL list. SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components Methylene chloride CAS-No. 75-09-2 Revision Date 1987-01-01 SARA 311/312 Hazards Acute Health Hazard, Chronic Health Hazard Massachusetts Right To Know Components Methylene chloride CAS-No. 75-09-2 Revision Date 1987-01-01 Pennsylvania Right To Know Components Methylene chloride CAS-No. 75-09-2 Revision Date 1987-01-01 New Jersey Right To Know Components Methylene chloride CAS-No. 75-09-2 Revision Date 1987-01-01	
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