



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ADSOLVE-C

CAS Number: NA

1. IDENTIFICATION:

Product Code : 91898, 91560, 94041, 90059, 98176

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:**Hazard classification****Health hazards**

Acute toxicity : Category 3 (Toxic if swallowed)

Acute toxicity : Category 3 (Toxic if inhaled)

Acute toxicity : Category 3 (Toxic in contact with skin)

Skin sensitization : Sub-category 1B

Carcinogenicity : Category 2

Specific target organ toxicity - repeated exposure, Liver, Kidney : Category 1

Long-term (chronic) aquatic hazard, : Category 3

Hazardous to the ozone layer : Category 1

Labels elements :

Hazard symbol**Signal word**

: Danger

Hazard statement

Toxic if swallowed, in contact with skin or if inhaled.
May cause an allergic skin reaction.
: Suspected of causing cancer.
Causes damage to organs (Liver, Kidney) through prolonged or repeated exposure if inhaled.
Harmful to aquatic life with long lasting effects.
Harms public health and the environment by destroying ozone in the upper atmosphere.



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Precautionary statement

- Prevention** : Obtain special instructions before use.
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
Keep container tightly closed. Ground/ bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting/ equipment.
Use only non-sparking tools. Take precautionary measures against static discharge.
- Response** : IF exposed or concerned: Get medical advice/ attention.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF SWALLOWED: Immediately call a poison center or doctor/physician.
- Storage** : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Rapidly absorbed through skin.

3. COMPOSITION/ INFORMATION ON INGREDIENTS:

Ingredient	CAS Number	Percent	Hazardous
Adsolve-C	NA	NLT 98.0%	Yes

4. FIRST AID MEASURES:

- General information** : Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Call a physician or poison control center immediately. Give water to drink (two glasses at most). Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. In exceptional cases only, if medical care is not available within one hour, induce vomiting (only in persons who are wide awake and fully conscious), administer activated charcoal (20 - 40 g in a 10% slurry) and consult a doctor as



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	:	quickly as possible.
Inhalation	:	Move to fresh air. Call a physician or poison control center immediately. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.
Skin contact	:	Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
Eye contact	:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Most important symptoms/effects, acute and delayed	:	The most important known symptoms and effects are described in the labelling.
Indication of immediate medical attention and special treatment needed	:	No data available.

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards arising from the chemical	:	Carbon oxides, Hydrogen chloride gas, Not combustible. Ambient fire may liberate hazardous vapours.
Special protective equipment and precautions for firefighters		
Special firefighting procedures	:	Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Special protective equipment for fire-fighters	:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures	:	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mists or vapors. Keep upwind. Keep unauthorized personnel away.
Methods and material for containment and cleaning up	:	Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.



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7. HANDLING AND STORAGE:

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:

Appropriate engineering controls	:	No data available
Individual protection measures, such as personal protective equipment		
General information	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	:	Wear safety glasses with side shields (or goggles).
Hand protection	:	Chemical resistant gloves.
Other	:	Wear suitable protective clothing.
Respiratory protection	:	Recommended Filter type: Filter A (acc. to DIN 3181) for vapours of organic compounds
Hygiene measures	:	Always observe good 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. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	Clear, colorless liquid
Odor	:	sweet
Solubility	:	Miscible in water.
Formula	:	NA
Molecular Weight	:	NA
Density	:	1.592 - 1.595 g/cm ³ at 20°C
pH	:	No data available
% Volatiles by volume @ 21C (70F)	:	No data available



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Boiling Point	: 76.0 - 77.0 °C
Melting Point	: -23°C
Flash Point	: No data available
Vapor Density (Air=1)	: No data available
Vapor Pressure (mm Hg)	: No data available
Evaporation Rate (BuAc=1)	: No data available

10. STABILITY AND REACTIVITY:

Reactivity	: No data available
Chemical stability	: Material is stable under ambient conditions..
Possibility of hazardous reactions	: Risk of explosion with: Alkali metals, powdered aluminium, Barium, Boranes, calcium silicide, halogen-halogen compounds, peroxi compounds, Fluorine, powdered magnesium, Powdered metals, sodium amide, silanes ,silver perchlorate, nitrogen dioxide, alkenes Oxygen (as liquefied gas), Oxygen with alkali hydroxides calcium hypochlorite with heat Violent reactions possible with: Alkaline earth metals, Dimethylformamide, aluminium chloride with triethylaluminium.
Conditions to avoid	: No data available
Incompatible materials	: various plastics, Light metals, metal alloys, Metals
Hazardous decomposition products	: In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product	: LD 50 (Rat): 2.350 mg/kg
Dermal Product	: LD 50 (Rabbit): > 20.000 mg/kg
Inhalation Product	: LC 50 (Rat): 8000 ppm - vapor
Repeated dose toxicity Product	: No data available.
Skin corrosion/irritation Product	: Mild skin irritation
Serious eye damage/eye irritation Product	: Mild eye irritation
Respiratory or skin sensitization Product	: The product is a skin sensitizer, sub-category 1B.
Carcinogenicity Product	: Suspected of causing cancer.



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Germ cell mutagenicity	: No data available.
Reproductive toxicity	: No data available
Product	
Specific target organ	
toxicity - single exposure	: No data available
Product	
Specific target organ	
toxicity - repeated	: Inhalation - Causes damage to organs through prolonged or repeated exposure. - Liver,
exposure Product	Kidney
Aspiration hazard Product	: No data available
Other effects	: No data available

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product	: mortality LC50 - Danio rerio (zebra fish) - 24,3 mg/l - 96 h
Toxicity to daphnia and	
other aquatic invertebrates	: LC 50 (Water flea (Daphnia magna), 24 h): 10,000 mg/l
Toxicity to algae	: Growth inhibition EC50 - Algae - 20 mg/l - 72 h

Chronic hazards to the aquatic environment

Fish Product	: Danio rerio (zebra fish) - 2,5 mg/l - 14 d
Toxicity to daphnia and	
other aquatic invertebrates	: Daphnia magna (Water flea) - 3,1 mg/l - 21 d
Persistence and degradability	

Biodegradation Product	: No data available.
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BOD/COD ratio Product	: No data available.
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Bioaccumulative potential

Bioconcentration factor	: Lepomis macrochirus (Bluegill) - 21 d - 52,3 µg/l
(BCF) Product	: Bioconcentration factor (BCF): 30

Partition coefficient n-	
octanol / water (log Kow)	: No data available.
Product	

Mobility in soil	: No data available.
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Other adverse effects	: No data available.
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13. DISPOSAL CONSIDERATION:

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION:

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID	UN 1846	Adsolve-C	6.1	II	Yes
IMDG	UN 1846	Adsolve-C	6.1	II	Yes
IATA	UN 1846	Adsolve-C	6.1	II	No

15. REGULATORY INFORMATION:

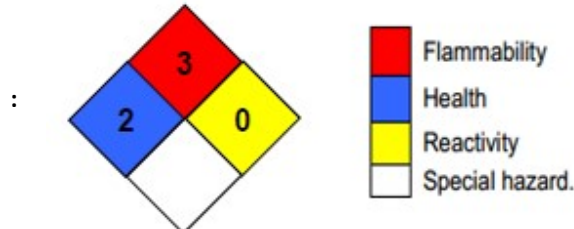
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

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16. OTHER INFORMATION:**NFPA Hazard ID**

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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