Safety Data Sheet in compliance with Indian Manufacture, Storage and Import of Hazardous Chemical (Amendment) Rules, 2000

AQUENCE FD 4925 26KG

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V001.2
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier
AQUENCE FD 4925 26KG
Material: 2907918

Relevant identified uses of the substance or mixture and uses advised against
Intended use:
Water based adhesive

Identification of manufacturer, importer or distributor:
Manufacturer: Henkel Adhesive Technologies India Private Limited
Plot No. 1/1, Part-2,
TTC Industrial Area,
Thane Belapur Road, Koparkhairne,
Navi Mumbai - 400 710, Maharashtra, India

Emergency telephone number
+91-22-39266510

In case of any emergency call Poison Information Centre, JSS Hospital, Mysore: Toll Free No: 1800-425-0207/Mobile: +91 8892 42 5667

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification (DPD):
Xi - Irritant
R43 May cause sensitisation by skin contact.

Label elements

Label elements (DPD):

Risk phrases:
R43 May cause sensitisation by skin contact.

Safety phrases:
S24 Avoid contact with skin.
S37 Wear suitable gloves.
S60 This material and its container must be disposed of as hazardous waste.

SECTION 3: Composition/information on ingredients

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number	content	Classification
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9		>= 0 - <= 10 %	T+ - Very toxic; R26 T - Toxic; R24/25 C - Corrosive; R34 Xi - Irritant; R43 N - Dangerous for the environment; R50/53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

Section 4. First aid measures

Inhalation: Move to fresh air.
If not breathing, give artificial respiration.
If breathing is difficult, give oxygen.
If symptoms develop and persist, get medical attention.

Skin contact: Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact: Flush eye(s) immediately with plenty of water.
Get medical attention.

Ingestion: Do not induce vomiting.
Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media: water, carbon dioxide, foam, powder

Special protection equipment and precautions for firefighters: Wear self-contained breathing apparatus.

Hazardous combustion products: Oxides of carbon.

Section 6. Accidental release measures

Personal precautions: Avoid inhalation of vapor, fumes, dust and/or mist from the spilled material.
Wear protective equipment.
Avoid contact with skin and eyes.

Environmental precautions: Do not allow product to enter sewer or waterways.

Clean-up methods: Ensure adequate ventilation.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7: Handling and storage

Precautions for safe handling
Use only in well-ventilated areas.
Vapours should be extracted to avoid inhalation.

Conditions for safe storage, including any incompatibilities
6 months
Store between 40°F and 104°F. (5°C and 40°C)

Section 8. Exposure controls / personal protection

Ingredient [Regulated substance]	Value type	ppm	mg/m^3	Remarks

Respiratory protection: Use only in well-ventilated areas.

Hand protection: Suitable protective gloves.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection: Safety goggles or safety glasses with side shields.

Body protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

Engineering controls: Ensure good ventilation/extraction.

General protection and hygiene measures: The workplace should be equipped with an emergency shower and eye-rinsing facility.

Hygienic measures: Keep away from food, beverages and animal feed. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.

SECTION 9: Physical and chemical properties

Appearance: white
liquid
Odor: characteristic
Odor threshold (CA): No data available.
pH: 4 - 5
Melting point / freezing point: No data available.
Specific gravity: No data available.
Boiling point: No data available.
Flash point: > 93 °C (> 199.4 °F)
Evaporation rate: No data available.
Flammability (solid, gas): No data available.
Lower explosive limit: No data available.
Upper explosive limit: No data available.
Vapor pressure: No data available.
Vapor density: No data available.
Density: No data available.
Solubility:
Partition coefficient: n-octanol/water: No data available.
Auto ignition: No data available.
Decomposition temperature: No data available.
Viscosity: 320 - 450 mPa.s
(; 27 °C (80.6 °F); speed of rotation: 10 min-1; Spindle No: 3; Method: no method)
VOC content: No data available.

Section 10. Stability and reactivity

Chemical stability: Stable under normal conditions of temperature and pressure.
Conditions to avoid: Stable under normal conditions of storage and use.

SECTION 11: Toxicological information

Information on toxicological effects

General toxicological information:
No laboratory animal data available.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LD50	66 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LC50	0,171 mg/l	inhalation	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)

Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LD50	87,12 mg/kg	dermal		rabbit	OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	Category 1 (irreversible effects on the eye)		rabbit	not specified

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	sensitising	Mouse local lymphnode assay (LLNA)	mouse	not specified

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	ambiguous	bacterial reverse mutation assay (e.g Ames test)	with and without		equivalent or similar to OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	positive	in vitro mammalian chromosome aberration test	with and without		EPA OPP 84-2 (Mutagenicity Testing)
	positive	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	not applicable		OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: gavage		mouse	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
	negative	oral: feed		Drosophila melanogaster	OECD Guideline 477 (Genetic Toxicology: Sex-linked Recessive Lethal Test in Drosophila melanogaster)
	negative	oral: gavage		rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
	negative	oral: gavage		rat	EPA OPP 84-2 (Mutagenicity Testing)

Carcinogenicity:

Hazardous components CAS-No.	Result	Species	Sex	Exposure timeFrequency of treatment	Route of application	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	not carcinogenic	rat	male/female	2 y daily	oral: drinking water	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOAEL=16,3 mg/kg	oral: drinking water	90 ddaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOAEL=0.34 mg/m3	inhalation: aerosol	90 d6 h/d, 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOAEL=2,625 mg/kg	dermal	90 d6 h/d	rat	EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days)

SECTION 12: Ecological information

General ecological information:
Do not empty into drains / surface water / ground water.

Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	LC50	0,22 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	0,098 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD Guideline 210 (fish early lite stage toxicity test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC50	0,12 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC50	0,0052 mg/l	Algae	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,00064 mg/l	Algae	48 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	EC20	0,97 mg/l	Bacteria	3 h	activated sludge	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	NOEC	0,0036 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	inherently biodegradable	aerobic	100 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

Bioaccumulative potential / Mobility in soil

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method

Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9		3,6		calculation		QSAR (Quantitative Structure Activity Relationship)
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	-0,71 - 0,75				20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

Results of PBT and vPvB assessment

Hazardous components CAS-No.	**PBT/vPvB**
Isothiazolinone mixture 3:1 (CIT/MIT) 55965-84-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

Section 13. Disposal considerations

Waste disposal of product: Dispose of in accordance with local and national regulations.

Disposal for uncleaned package: Dispose of in accordance with local and national regulations.

Section 14. Transport information

Road transport ADR:
Not dangerous goods

Railroad transport RID:
Not dangerous goods

Inland water transport ADN:
Not dangerous goods

Marine transport IMDG:
Not dangerous goods

Air transport IATA:
Not dangerous goods

Section 15. Regulations - classification and identification

Isothiazolinone mixture 3:1 (CIT/MIT) Global Automotive Declarable Substances List (GADSL), Version 2

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text
of all abbreviations indicated by codes in this safety data sheet are as follows:
R24/25 Toxic in contact with skin and if swallowed.
R26 Very toxic by inhalation.
R34 Causes burns.
R43 May cause sensitisation by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.

Disclaimer:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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