SAFETY DATA SHEET		Honeywell Burdick & Jackson [™]
Acetonitrile		
34442-45L		
Version 1.6 Issuing date 12	(14/2016 Revision Date 05/06/2024	Print Date 05/08/2024
1. IDENTIFICATION OF THE SU	BSTANCE/MIXTURE AND OF THE COI	MPANY/UNDERTAKING
Product information		
Trade name	: Acetonitrile	
Number	: 00000020248	
Recommended use of the chemical and restrictions on use	: Laboratory chemicals	
Manufacturer or supplier's details	 Honeywell Specialty Chemicals See GmbH Wunstorfer Straße 40 Seelze, 30926 Germany 	elze
For further information, please contact:	: 1-800-368-0050 +1-231-726-3171 (Manday Friday 0:00am 5:00am)	
In case of emergency call	 (Monday-Friday, 9:00am-5:00pm) Medical: 1-800-498-5701 or +1-30; Transportation (CHEMTREC): 1-8 527-3887 In Japan: 0800-300-5842 	
2. HAZARDS IDENTIFICATION		
Classification of the subst	ance or mixture	
Classification of the substance or mixture	 Flammable liquids, Category 2 Acute toxicity, Category 4, Oral Acute toxicity, Category 4, Inhalat Eye irritation, Category 2A Specific target organ toxicity - sing Central nervous system 	
GHS Label elements, inclu	ding precautionary statements	
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Symbol(s)	:		
Signal word	: Danç	ger	
Hazard statements	Harn Caus Harn	ly flammable liquid and vapour. nful if swallowed. ses serious eye irritation. nful if inhaled. ses damage to organs.	
Precautionary statemen	Keep smol Keep Grou Use Use Take Do n Was Do n Use Wea	ention: a way from heat/ sparks/ open fl king. container tightly closed. and/bond container and receiving explosion-proof electrical/ ventila only non-sparking tools. e precautionary measures agains: ot breathe dust/ fume/ gas/ mist/ h skin thoroughly after handling. ot eat, drink or smoke when usin only outdoors or in a well-ventilat r protective gloves/ protective closed	equipment. ting/ lighting equipment. t static discharge. vapours/ spray. g this product. ted area.
	IF S phys IF O conta IF IN posit IF IN Rem rinsir IF ex If eye In ca	MALLOWED: Call a POISON CE ician if you feel unwell. Rinse mo N SKIN (or hair): Remove/ Take of aminated clothing. Rinse skin with HALED: Remove victim to fresh ion comfortable for breathing. EYES: Rinse cautiously with wa ove contact lenses, if present and g. posed: Call a POISON CENTER e irritation persists: Get medical a se of fire: Use dry sand, dry cher for extinction.	outh. off immediately all h water/ shower. air and keep at rest in a ter for several minutes. d easy to do. Continue c or doctor/ physician. advice/ attention.
	Stor	age:	
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			in a well-ventilated place locked up.	e. Keep cool	
		Dispo Dispos plant.	sal: se of contents/ container	to an appro	oved waste disposal
3. COMPOSITION	/INFORMATION OI	N INGRE	EDIENTS		
Formula	:	C2H3N	I		
Chemical natu	ire :	Substa	nce		
Chemical nam	10		CAS-N		Concentration
Acetonitrile Acetonitrile			75-05-	-8	100.00 %
4. FIRST AID MEA	SURES				
Inhalation	:	If not b If breat Use ox presen	re to fresh air. reathing, give artificial re hing is difficult, give oxyg ygen as required, provid t. physician.	gen.	ed operator is
Skin contact	:	minute Take o Wash o	off immediately with plen s. ff contaminated clothing contaminated clothing be ohysician.	and shoes	immediately.
Eye contact	:	for at le	mmediately with plenty c east 15 minutes. physician.	of water, als	o under the eyelids,
Ingestion	:	Do not Immed	physician. induce vomiting without iate medical attention is give anything by mouth t	required.	
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SAFETY DATA SHEET Honeyw Burdick & Jackson™ Acetonitrile 34442-45L Version 1.6 Issuing date 12/14/2016 Revision Date 05/06/2024 Print Date 05/08/2024 Notes to physician : Treat as cyanide poisoning. Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours. **5. FIREFIGHTING MEASURES** Suitable extinguishing media : Carbon dioxide (CO2) Dry chemical Alcohol-resistant foam Cool closed containers exposed to fire with water spray. Unsuitable extinguishing : Do not use a solid water stream as it may scatter and spread media fire. Specific hazards during : Flammable. firefighting Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Vapors may travel to areas away from work site before igniting/flashing back to vapor source. In case of fire hazardous decomposition products may be produced such as: Hydrogen cyanide (hydrocyanic acid) Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke. Special protective equipment : Wear self-contained breathing apparatus and protective suit. for firefighters 6. ACCIDENTAL RELEASE MEASURES Personal precautions, : Wear personal protective equipment. protective equipment and Immediately evacuate personnel to safe areas. emergency procedures Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Remove all sources of ignition. Do not swallow. Avoid breathing vapours, mist or gas. Avoid contact with skin, eyes and clothing. : Prevent further leakage or spillage if safe to do so. Environmental precautions Prevent product from entering drains. Discharge into the environment must be avoided. 4/15

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			t flush into surface water or sani t allow run-off from fire fighting to es.	
Methods and containment a	materials for and cleaning up	No spa Use ez Conta materi	ate the area. arking tools should be used. xplosion-proof equipment. in spillage, soak up with non-cor ial, (e.g. sand, earth, diatomaced	ous earth, vermiculite)
			ansfer to a container for disposa al regulations (see section 13).	I according to local /
HANDLING AN	D STORAGE			
Handling				
Precautions f	or safe handling	Use or Keep Do no	personal protective equipment. nly in well-ventilated areas. container tightly closed. t smoke.	
		Avoid	t swallow. breathing vapours, mist or gas. contact with skin, eyes and cloth	ning.
Advice on pro fire and explo	otection against sion	Take p Ensure transfe Use e	away from fire, sparks and heate precautionary measures against e all equipment is electrically gro er operations. xplosion-proof equipment. product and empty container aw	static discharges. bunded before beginning
		ignitio No spa		
Storage				
Conditions fo including any incompatibiliti		Protec Keep ventila Conta kept u	in area designed for storage of f et from physical damage. containers tightly closed in a dry ated place. iners which are opened must be pright to prevent leakage. away from heat and sources of i	, cool and well- carefully resealed and

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		Store Conta Do no	away from direct sunlight. away from incompatible substa iner hazardous when empty. t pressurize, cut, weld, braze, s e containers to heat or sources	solder, drill, grind or
Component Contains no Appropriate Use with loc Prevent vap	e engineering con al exhaust ventilatio our buildup by prov	control p ccupation trols on. iding ade	parameters al exposure limit values. quate ventilation during and af	
Individual p	protection measur	es, such	as personal protective equip	oment (PPE)
Respiratory	protection	: In cas equip	e of insufficient ventilation, we ment.	ar suitable respiratory
Hand protec	tion	Glove	nt-resistant gloves s must be inspected prior to us ce when worn.	se.
Eye protecti	on	Wear Safety If spla	t wear contact lenses. as appropriate: / glasses with side-shields shes are likely to occur, wear: es or face shield, giving compl	ete protection to eyes
Skin and bo	dy protection	Solve Flame If spla	as appropriate: nt-resistant apron e retardant antistatic protective shes are likely to occur, wear: ctive suit	clothing.
Hygiene me	asures	Wash produ Keep Remo	using do not eat, drink or smo hands before breaks and imm ct. working clothes separately. we and wash contaminated clo t swallow. 6/15	ediately after handling the

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Protective measures	Avoid co : Ensure t the work Legal re	eathing vapours, mist or gas. ontact with skin, eyes and cloth that eyewash stations and safe station location. quirements are to be consider n, use and care of personal pro	ety showers are close to ed in regard of the	
PHYSICAL AND CHEMICA	L PROPERTIES			
Physical state	: liquid			
Colour	: colourles	SS		
Odour	: characte	: characteristic		
Odour Threshold	: Note: No	: Note: No data available		
рН	: Note: No	: Note: Not applicable		
Melting point/range	: -46 °C			
Boiling point/boiling range	: 82 °C a	t 1,013 hPa		
Flash point		: 55.0 °F (12.8 °C) Method: closed cup		
Evaporation rate	: Note: No	: Note: No data available		
Lower explosion limit	: 3 %(V)			
Upper explosion limit	: 16 %(V)		
Vapour pressure	: 97 hPa at 20 °C	(68 °F)		
	147 hPa at 30 °C			

Honeyw SAFETY DATA SHEET Burdick & Jackson™ Acetonitrile 34442-45L Version 1.6 Issuing date 12/14/2016 Revision Date 05/06/2024 Print Date 05/08/2024 Vapour density : 1.42 Note: (Air = 1.0)Density : 0.7857 g/cm3 at 20 °C Water solubility : Note: completely miscible Partition coefficient: n-: log Pow: -0.34 octanol/water Ignition temperature : 524 °C Viscosity, kinematic : Note: No data available Molecular weight : 41.05 g/mol **10. STABILITY AND REACTIVITY** Chemical stability : Stable under normal conditions. Possibility of hazardous : Hazardous polymerisation does not occur. reactions Conditions to avoid : Heat, flames and sparks.

Keep away from direct sunlight. Incompatible materials to : Acids avoid Bases Oxidizing agents Reducing agents Sulfites Perchlorates May attack many plastics, rubbers and coatings. Hazardous decomposition : In case of fire hazardous decomposition products may be products produced such as: Hydrogen cyanide (hydrocyanic acid) Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

Honeyw SAFETY DATA SHEET Burdick & Jackson™ Acetonitrile 34442-45L Version 1.6 Issuing date 12/14/2016 Revision Date 05/06/2024 Print Date 05/08/2024 **11. TOXICOLOGICAL INFORMATION** Information on likely routes of : Inhalation, Eye contact, Skin contact, Ingestion exposure Acute oral toxicity : LD50: 617 mg/kg Species: Rat Method: OECD Test Guideline 401 : Note: Classification based on Annex VI of regulation Acute inhalation toxicity 1272/2008/EC. : Acute toxicity estimate: 11 mg/l Method: Calculation method : Note: Classification based on Annex VI of regulation Acute dermal toxicity 1272/2008/EC. : Acute toxicity estimate: 2,500 mg/kg Method: Calculation method Skin corrosion/irritation Acetonitrile Species: Rabbit · Result: No skin irritation Method: OECD Test Guideline 404 Exposure time: 4 h Serious eye damage/eye : Species: Rabbit irritation Result: Irritating to eyes. Skin sensitisation : Buehler Test Acetonitrile Species: Guinea pig Result: Did not cause sensitisation on laboratory animals. Method: OECD Respiratory sensitisation : Note: No data available Acetonitrile Germ cell mutagenicity : Note: Not classified due to data which are conclusive although insufficient for classification. 9/15



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Carcinogenicity	: Note:	No data available	
Reproductive toxicity	: Note:	No data available	
Specific target organ toxicity - single exposure		ssment :The substance or mixture t organ toxicant, single exposure, o	
Specific target organ toxicity - repeated exposure	: Note	:No data available	
Aspiration toxicity	: No da	ta available	
Further information Acetonitrile	The s toxica May o May o	 r - single exposure: substance or mixture is classified a ant, single exposure, category 1. cause convulsions. cause neurotoxic effects. d on Human Evidence. 	s specific target organ
2. ECOLOGICAL INFORMATIO	N		
Aquatic and ecotoxicity			
Toxicity to fish	LC50 Expo	hrough test : 1,640 mg/l sure time: 96 h ies: Pimephales promelas (fathead	d minnow)
Toxicity to daphnia and other aquatic invertebrates		Not classified due to data which a icient for classification.	re conclusive although
Toxicity to algae Acetonitrile	Expo	test C: 400 mg/l sure time: 72 h ies: Phaeodactylum tricornutum	
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		Expos	test : 9,696 mg/l ure time: 72 h es: Phaeodactylum tricornutum	
Toxicity to ba	cteria	Expos Specie	test 2: 320 mg/l ure time: 30 min es: activated sludge id: OECD 209	
Persistence a	nd degradability	,		
Biodegradabi	lity	: Note:	No data available	
Bioaccumula	tive potential			
Bioaccumulat	ion	: Note:	No data available	
Mobility in so	il			
Mobility		: Note:	No data available	
3. DISPOSAL CO	ONSIDERATION	6		
WDPCL Was Public Cleans	te Disposal and sing Law	: Specia	ally Controlled Industrial Waste	
Disposal met	nods	: In acc	ordance with local and national r	egulations.
4. TRANSPORT	INFORMATION			
ADR UN/ID No.		: UN 16		
			11/15	

Honeywe SAFETY DATA SHEET Burdick & Jackson™ Acetonitrile 34442-45L Version 1.6 Issuing date 12/14/2016 Revision Date 05/06/2024 Print Date 05/08/2024 Description of the goods : ACETONITRILE Class : 3 Classification Code : 11 : F1 Hazard Identification Number : 33 Labels : 3 ΙΑΤΑ : UN 1648 UN/ID No. Description of the goods : Acetonitrile : 3 Class : 11 Packing group Labels : 3 Packing instruction (cargo : 364 aircraft) Packing instruction : 353 (passenger aircraft) Packing instruction : Y341 (passenger aircraft) IMDG UN/ID No. : UN 1648 Description of the goods : ACETONITRILE Class : 3 Packing group : 11 : 3 Labels EmS Number 1 : F-E EmS Number 2 : S-D Marine pollutant : no **15. REGULATORY INFORMATION** National regulatory information Chemical Substance : Listed Control Law Type II Monitoring Chemical Substance. DES (JP) Reference: (2)-1508 Substances Subject to be : Notified Names Threshold Concentration: 1 % wt 15 JP MSDSD 12/15



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Vessel Safety Law JP VSL		able liquids (Article 2 and 3 of rule e of dangerous goods and its Attac	
Aviation Law JP AVL		able liquid (Article 194 of The Enfo n Law and its Attached Table 1)	prcement Rules of
Fire Service Law	Type Haza Wate	p 4 Flammable liquids 1 petroleums rdous rank II r soluble away from fire	
Poisonous and Deleterious Substances Control Law	: Delete 32.3	erious substance not for pharmace	eutical use
Other international regulation			
Other international regulation Notification status	015		
USA. List of Active Substances on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory, as amended	: All su	bstances listed as active on the T	SCA inventory
Australian Inventory of Industrial Chemicals		emponents are listed on the invento ations/restrictions apply	ory, regulatory
Canada. Domestic Substances List (DSL), as amended	: All co	mponents of this product are on th	ne Canadian DSL
Japan. Kashin-Hou Law List	: On th	e inventory, or in compliance with	the inventory
Korea. Existing Chemicals	: On th	e inventory, or in compliance with	the inventory
Norea. Existing Onernicals		13/15	



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Inventory (KECI)

Philippines. Inventory of Chemicals and Chemical Substances (PICCS)	: On the inventory, or in compliance with the inventory
China. Inventory of Existing Chemical Substances (IECSC)	: On the inventory, or in compliance with the inventory
Taiwan Chemical Substance Inventory (TCSI)	: On the inventory, or in compliance with the inventory
Thailand. Existing Chemicals Inventory from FDA (TECI List)	: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

		HMIS III	NFPA
Health hazard	:	2*	2
Flammability	:	3	3
Physical Hazard	:	0	
Instability	:		0

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.



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Changes since the last version are highlighted in the margin. This version replaces all previous versions. Previous Issue Date: 01/06/2021 Revision Date: 05/06/2024 Version 1.6 Issuing date 12/14/2016 Prepared by Honeywell Energy and Sustainability Solutions Product Stewardship Group Product Stewardship Group