

<b>T</b> 1				<b>TT</b> 1			
Trade nar					ene glycol (HG)	-1	
Chemical				2-meth 107-41	nylpentane-2,4-d	101	
CAS Num EC Numb				203-48			
						2	
Pre-Regis					9446645-33-000		
					ture and uses ad		
Relevant i	identified					ent in petrole	um refining; as a cem
					al intermediate.		
Uses ident					n those specified		
1.3 Details of the		er of the s			<b>.</b> . 1		
Manufac	turer		Prasol Ch		,		
					No.A-17/2/3,		
					Khairne M.I.D.C.	,	
			Navi Mur				
			Maharash				
Telephor	ne		+91-22-2				
Telefax			+91-22-2				
e-mail ad	ddress		sales@pra	asolchem.	com; inquiry@pi	asolchem.con	n
1.4 Emergency	telephor	ne numbe	r				
Teleph			+91-22-2	7782555			
Langua	age		English				
2.1 Classificati Classification Skin Irrita Eye Irrita Information co	ion of the accordin ation tion oncernin	e substan g to Regu Catego Catego	ce or mixt llation (EC ry 2 ry 2	ure C) No 127 H315 H319	72/2008 (CLP) Causes skin irr Causes serious nan and environ	eye irritation	
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	Ingredient 2-methylpentane-2,4-dio	<b>CAS No.</b> 107-41-5	EC No. 203-489-0	Concentration (%) 99 min
Add	litional information: Molecular Formula C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> Molecular Weight 118.06			
	CTION 4: First aid measu			
4.1	Description of first aid measure			
	General information	Take off all conta		
	After inhalation			breathing is difficult, give oxygen. If or artificial respiration. Get immediate
	After skin contact		nty of water im	mediately, seek medical advice if necessa
	After eye contact			liately and seek medical advice.
	After swallowing			medical advice immediately.
4.2	Most important symptoms and			s of breath, dizziness, unconsciousnes
-1.2	effects, both acute and delayed			
4.3	Indication of any immediate	Treat symptomati		rtively
	medical attention and special		····) ···· ·····	
	treatment needed			
SE	CTION 5: Firefighting mea	asures		
5.1	Extinguishing media			
	Suitable extinguishing media	CO <sub>2</sub> , dry powder,	foam or water s	spray
	Unsuitable extinguishing media	a water jet		
5.2	Special hazards arising from	Combustible liqui		
	the substance or mixture	May form toxic c		
		Closed container		
				ignition and flash back.
				temperatures at or above the flashpoint.
5.3	Advice for firefighters			o fire with water spray.
		Wear self-contain	ed breathing ap	paratus.
	CTION 6: Accidental relea			
6.1	Personal precautions,	Use personal protec		
	protective equipment and	Avoid breathing vap		S.
<b>()</b>	emergency procedures	Ensure adequate ver		1
6.2	· · · · <b>·</b>	Do not allow to ent		
6.3	Methods and material for			ial and dispose of as hazardous waste.
	containment and cleaning up	Keep in suitable, cl		for disposal.
61	Deference to other sections	Suitable binder: sar		al protection equipment.
6.4	Reference to other sections	Section 13 for disp		
CE	CTION 7. Handling and st			
	CTION 7: Handling and st		ial transfor	oring and blanding plants that are slowed
7.1	Precautions for safe			tering and blending plants that are closed
	handling	Avoid contact with s		
7 2	Conditions for sofe stores as include	Avoid inhalation of v		
7.2	Conditions for safe storage, inc.			ve fire protection
	Advice on protection against	Follow normal measu	ues for preventi	ve fire protection.
	fire and explosion	Ctone in a secol al		
	Storage	Store in a cool place.		w and wall wantilated along
				y and well-ventilated place.
				gnition; do not apply heat, cut, drill and
		grind or weld on or n		1.
		Mechanical exhaust	equireu.	

Replaces Version 15-01

Page  $\mathbf{2} \text{ of } \mathbf{5}$ 

## Safety data sheet as per Commission Regulation (EU) 2015/830 **Product: Hexylene glycol**



7.3	Advice on common storage Storage stability Specific end use(s)	Observe prohibition ag Stable under recommen No further relevant inf	ainst storing tog ided storage con	ditions		
SE	CTION 8: Exposure cont	rols/personal protec	tion			
8.1	<b>Control parameters</b>					
~ •	Occupational Exposure Limit	25ppm TLV				
8.2	Exposure controls	TC '11 /	1, 6, ,			
	Appropriate engineering controls	-	i transfer, meter	ing and blending plants that are closed.		
	Personal protective equipme		1.4			
	Eye/ face protection	closed goggles, face shie	la			
	Skin protection Hand protection	Type of material	Thickness	Breakthrough time		
	Hand protection	Butyl-rubber	0.5 mm	> 480  min		
		Polychloroprene (PCP)	0.5 mm	110 min		
	<b>Body protection</b>	Boots, body suit				
	<b>Respiratory protection</b>	-	ith suitable filte	r or a self-contained respiratory apparat		
	Thermal hazards			position on excess heating		
	Industrial hygiene	Do not inhale vapours / a	erosols.			
		Avoid contact with skin	and eyes.			
		Remove immediately all contaminated clothing.				
		Use disposable clothing				
		Shloking, cating and dri	iking should be	prohibited in the application area.		
CE.	CTION 0. Physical and a	hand an antiog				
эе 9.1	CTION 9: Physical and c Information on basic physica					
9.1	Appearance	Colourless liquid	•			
	Odour	mild sweetish				
	Odour threshold	50ppm				
	pH	6.0-8.0 at 118.2g/L at	25°C			
	Melting point	-50°C				
	Boiling point	198.5°C				
	Flash point	93°C (Closed cup)				
	Evaporation rate	0.007 (butyl acetate =	1)			
	Flammability (solid, gas)	not applicable (product is a liquid)				
	Flammability limits					
	Low					
	Upp					
	Vapour pressure	0.05mmHg at 20°C				
	Vapour density	4.08 (air = 1)				
	Relative density	0.922 at 20°C				
	Solubility in water	$68.78g/l \text{ at } 25^{\circ}\text{C} \text{ (ver log Pow = 0)}$	y soluble)			
	Partition coefficient	$\log Pow = 0$ $306^{\circ}C$				
	Ignition temperature					
	Decomposition temperature	34mPa.s				
	Viscosity at 20°C Explosive properties		es however cont	ainers may explode in fire		
	Explosive properties	no explosive properti		ainers may explode in fire		
9.2				ainers may explode in fire		

29875 kJ/kg at 25°C Heat of Combustion Heat of Vaporization 435 kJ/kg

#### **SECTION 10: Stability and reactivity** 10.1 Reactivity No hazardous reaction when handled and stored according to

10.2 Chemical stability

Revision: 17-02 Issue Date: 16.08.2017 Replaces Version 15-01

provisions.

Under storage at normal ambient temperatures ( $-40^{\circ}$ C to  $+40^{\circ}$ C), the

product is stable.



10.3	Possibility	of hazardous	reactions

- 10.4 Conditions to avoid
- **10.5** Incompatible materials
- 10.6 Hazardous decomposition products

#### No known hazardous reactions if used as directed Avoid excessive heat and sources of ignition Strong oxidizing agents, Strong acids, Acid anhydrides Thermal decomposition products- carbon oxides

## SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

#### Acute toxicity

ficute to A	city				
LD50	oral	rat	>2000mg/kg bw	not classified	
LC50	inhalation	rat	50-60ppm	not classified	
LD50	Dermal	rabbit	>2000ml/kg bw	not classified	
Skin irrita	ation		slightly irritating		
Serious eye irritation			slightly irritating		
Respiratory or skin sensitization		No sensitizing effects known			
Germ cell mutagenicity		non mutagenic (A	Ames test)		
Carcinogenicity		non-carcinogenic			
<b>Reproductive toxicity</b>		no adverse effect on reproduction (rat)			
STOT-single exposure			irritating to eye a	nd skin	
STOT-repeated exposure		NOAEL 450mg/Kg bw			

### • SECTION 12: Ecological information

#### 12.1 Toxicity

	Aquatic toxicity				
	Toxicity to fish	LC50	96h	8690mg/L	Pimephales promelas
	Toxicity to aquatic invertebrates	EC50	48h	5410mg/L	Daphnia magna
	Toxicity to aquatic algae and cyanobacteria	EC50	72h	>429mg/L	Pseudokirchneriella subcapitata
	Toxicity to microorganisms	NOEC	10d	200mg/L	Pseudomonas aeruginosa
12.2	Persistence and degradability			-	-
	Biodegradation	readily b	iodegrada	able (80% in 28	8days)
12.3	<b>Bioaccumulative potential</b>	very low	potential	for bioaccumu	lation
12.4	Mobility in soil	log Koc :	= 0; low j	possibility for s	orption in soil
12.5	Results of PBT and vPvB assessment	Not a PB	T, vPvB	substance acco	rding to the REACH regulation
12.6	Other adverse effects	No furthe	er inform	ation available	- 0

#### **SECTION 13: Disposal considerations**

13.1 Waste treatment methods
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.
Do not dispose in sewage.

# SECTION 14: Transport information

	ADR/RID	IMDG	ICAO/IATA
UN Number	-	-	-
UN proper shipping name	not	hazardous for t	ransport
Fransport hazard class	-	-	-
Packaging group	-	-	-
Environmental hazards			
Special precautions for the user	Combustible 1	iquid; Flash po	int 93°C (closed cup)
Fransport in bulk according to Annex II of MARPOL73/78 and the IBC Code	See regulatory	information fo	or transport approval
	JN proper shipping name Fransport hazard class Packaging group Environmental hazards Special precautions for the user Fransport in bulk according to Annex II of MARPOL73/78 and	JN Number   -     JN proper shipping name   not     Jransport hazard class   -     Packaging group   -     Environmental hazards   not environmet     Special precautions for the user   Combustible 1     Fransport in bulk according to   See regulatory	JN Number   -   -     JN proper shipping name   not hazardous for the sardous for the sard



#### **SECTION 15: Regulatory information** 15.1

Major accident hazard

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

	International Chemical Inve	ntory Status
	USA (TSCA)	listed
	Canada (DSL)	listed
	Australia (AICS)	listed
	Japan (MITI)	listed
	Korea (KECL)	listed
	Philippines (PICCS)	listed
	China	listed
	New Zealand	listed
	Taiwan	listed
15.2	Chemical safety assessment	A Chemical Safety Assessment will be carried out at the time of
	-	REACH registration

no

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Further information:**

Sections in which changes have been made since the last version are marked with a diamond  $\blacklozenge$  in the left hand margin.

#### Abbreviations and acronyms in English language:

1	Abbreviati	ions and acronyms in English language:
1	ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
1	ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
1	AICS	Australian Inventory of Chemical Substances
(	CAS	Chemical Abstracts Service (division of the American Chemical Society)
(	CLP	Classification for Labeling and Packaging
]	DSL	Domestic Substances List
]	EC	European Commission
]	EC50	Half maximal effective concentration
]	EINECS	European Inventory of Existing Commercial Chemical Substances
(	GHS	Globally Harmonized System of Classification and Labeling of Chemicals
]	ATA	International Air Transport Association
]	BC	International Bulk Chemical
	ICAO	International Civil Aviation Organization
]	MDG	International Maritime Code for Dangerous Goods
]	KECL	Korea Existing Chemicals List
]	KOC	Soil adsorption coefficient
]	KOW	Partition Coefficient octanol-water
]	LC50	Lethal concentration, 50 percent
]	LD50	Lethal dose, 50 percent
]	MARPOL	International Convention for the Prevention of Pollution from Ships
]	MITI	Ministry of International Trade and Industry
]	NOEC	No Observed Effect Concentration
]	PBT	Persistent, bioaccumulative and toxic substances
]	PICCS	Philippine Inventory of Chemicals and Chemical Substances
]	RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
	STOT	Specific target organ toxicity
	ГSCA	Toxic Substances Control Act
	UN	United Nations
1	vPVB	(very) Persistent, (very) Bioaccumulative

#### Sources

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Chemicals	(REACH)
ECHA	https://echa.europa.eu/registration-dossier/-/registered-dossier/14212/1
Chemid	https://chem.nlm.nih.gov/chemidplus/rn/107-41-5
HSDB	https://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+1126