1. Chemical and company identification .

1. Chemical and company	-		
Name of chemical (Product name)	CoolPAK™ S5406		
Manufacturer			
Company name	Master Fluid Solutions		
Address	501 West Boundary		
	Perrysburg, Ohio 43551-1200		
	United States		
Telephone	419-874-7902		
Website	www.masterfluidsolutions.com		
E-mail	info@masterchemical.com		
Emergency phone number	CHEMTREC 1-800-424-9300		
Recommended use of the cher			
Intended use	Metal working fluids		
Restrictions on use	Applicable for industrial settings only. No other uses are advised.		
2. Hazards identification			
GHS classification			
Physical hazards	The product is not classified according to GHS.		
Health hazards	Skin corrosion/irritation Category 2		
	Serious eye damage/eye irritation Category 2A		
Environmental hazards	The product is not classified according to GHS.		
GHS label elements			
Symbols	\wedge		
Signal words	Warning		
Hazard statement	Causes skin irritation. Causes serious eye irritation.		
Precautionary statement			
Prevention	Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves.		
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.		
Storage	Store away from incompatible materials.		
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Other hazards which do not result in classification	None known.		
Supplemental information	None.		
Main symptoms and emergenc	y overview		
Emergency overview	Causes serious eye irritation. Causes skin irritation.		

3. Composition/information on ingredients

Substance or mixture

	Gazette notification				
Components	CAS Number	ENCS No.	ISHL No.	Concentration (%)	
SEVERELY HYDROTREATED PETROLEUM OIL	64742-52-5	(9)-1692	(9)-1692	25 - 30	
TRADE SECRET	Proprietary	Proprietary	Proprietary	5 - 10	
CHLORINATED PARAFFIN	61788-76-9	(2)-71	(2)-71	6.4	
AMINE BORATE	26038-87-9	(2)-301	(2)-301	5.6	

Mixture

			Gazette no	otification			
		CAS Number	ENCS No.	ISHL No.	Concentration (%)		
MONOETHANOLAMINE		141-43-5	(2)-301	(2)-301	3.7		
ALCOHOLS, C12-13, ETHOXYLA	TED	66455-14-9	(7)-97	(7)-97	3.0		
TRADE SECRET		Proprietary	Proprietary	Proprietary	<= 5		
TRADE SECRET		Proprietary	Proprietary	Proprietary	<= 5		
TRADE SECRET		Proprietary	Proprietary	Proprietary	<= 5		
DICYCLOHEXYLAMINE	101-83-7 (3)-2259, (3)-2259, 1.7 (3)-2686 (3)-2686						
ALKANOLAMINE		61791-26-2	(7)-60	(7)-60	1.0		
Other components below reportat	ole levels				40 - 45		
4. First aid measures							
lf inhaled	Move to fresh air.						
IF ON SKIN	Wash affected area with	h mild soap and water					
IF IN EYES	Immediately flush with p	•		If easy to do, re	emove contact lenses		
If swallowed		•		•			
Most important symptoms/effects, acute and delayed	None known.	In the unlikely event of swallowing contact a physician or poison control centre. None known.					
Protection of first-aid responders	Get medical attention, if	Get medical attention, if needed.					
Notes to physician	Provide general supportive measures and treat symptomatically.						
5. Fire-fighting measures							
Extinguishing media	Dry chemical, CO2, water spray or alcohol resistant foam. Use fire-extinguishing media appropriate for surrounding materials.						
Extinguishing media to avoid	Do not use a solid wate	r stream as it may sca	tter and spread	fire.			
Specific hazards	No unusual fire or explosion hazards noted.						
Special fire fighting procedures	Containers should be cooled with water to prevent vapour pressure build up.						
Protection of fire-fighters	Wear suitable protective equipment. Use standard firefighting procedures and consider the hazards of other involved materials.						
General fire hazards	Use standard firefighting procedures and consider the hazards of other involved materials.						
6. Accidental release mea	sures						
Personal precautions, protective equipment and emergency measures	Keep unnecessary personnel away. For personal protection, see section 8. Use personal protective equipment as required.						
Environmental precautions	Prevent entry into water	rways, sewer, baseme	nts or confined a	areas.			
Methods or materials for containment and cleaning up	Soak up with inert absorbent material. Clean up in accordance with all applicable regulations.						
7. Handling and storage							
Handling							
Technical measures (e.g. Local and general ventilation)	Use process enclosures levels below recommen		ation, or other en	gineering contro	ols to control airborne		
Safe handling advice	Follow precautions for s	safe handling describe	d in this safety d	ata sheet.			
Storage Safe storage conditions	Store in a dry place. The storage and transport. S			nder normal cor	nditions of use,		
Safe packaging materials	Follow precautions for s			ata sheet.			
Salo puokuging materialo			a in the baloty a				

8. Exposure controls/personal protection

Occupational exposure limits

Physical state Liquid. Form Liquid. Colour Amber dour Mild amine H 10 - 10.5 lelting point/freezing point -10 °C (14 °F) oiling point, initial boiling oint, and boiling range 98.3 °C (208.94 °F) point, and boiling range >93.3 °C (> 199.9 °F) ppper/lower flammability or explosive limits Via available. f(%) Not available. f(%) Not available. g(%) Not available. gopur pressure Not available. apour pressure Not available. apour density Not available. oubility(ies) Soluble solubility(water) Soluble.	Components	Туре	Value	Form
SEVERELY HYDROTREATED PETFOLEUM OIL (CAS 67472-52-5) TWA 3 mg/m3 Mist. US. ACGIH Threshold Limit Values Components Type Value Form (MONDETHANCLAMINE (CAS 1141-43-5) STEL 6 ppm MONDETHANCLAMINE (CAS 1141-43-5) TWA 3 ppm SEVERELY (MONDETHANCLAMINE (CAS 25-5) TWA 3 ppm Severe components commondot modified protection Respiratory protection Head protection In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection Wear appropriate chemical resistant clothing. Shin and body protection Wear appropriate chemical resistant clothing. Physical and chemical properties I quid. Colour Amber Mour Misl amine Misl amine 93.9°C (208.9.4°F) Sin and body protection Not available. Sin and body protection 93.9°C (208.9.4°F) Sind and body protection Not available. Sind and boding range Sin 3°C (208.9.4°F)		TWA	7.5 mg/m3	
HYDPOTTEATED PETROLEUM OLL (CAS 6474-262-5) US. ACGHT Threshold Limit Values Components Type Value Form MONOETHANOLAMINE STEL 6 ppm (CAS 141-43-5) TWA 3 ppm SEVERELY TWA 3 ppm SEVERELY TWA 5 mg/m3 Inhalable fraction. PETROLEUM OLL (CAS 6474-26-25) reversion of the engineering controls to control airbou PETROLEUM OLL (CAS 6474-26-25) reversion of the engineering controls to control airbou reversion of the engineering controls to control airbou the engineering controls to control airbou reversion of the engineering controls to control airbou the engineering controls to control airbou form Ulquid. Colour Amber dour Mild amine 4 10 - 10.5 elling point, initial bolling sh point - 90.3 °C (> 199.9 °F) oper/over flammability imit - upper Not available. (%) Explosive limit - upper Not available. Arabek spour density limit - upper Solublity (water) Soluble trittion coefficient - Not available. The available. Spour density Not available. The available. Spour density Not available. Spo			3 ppm	
Components Type Value Form MONOETHANDLAMINE (CAS 141-43-5) STEL 6 ppm TWA 3 ppm SEVERELY MUDROTEATED PETROLEUM OLL (CAS 64742-52-5) TWA 5 mg/m3 Inhalable fraction. recommended Structure TWA 5 mg/m3 Inhalable fraction. recommended Systematic Structure Structure Structure recommended Use process enclosures, local exhaust ventilation, or other engineering controls to control airboi levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended. resonal protective equipment In case of insufficient ventilation, wear suitable respiratory equipment. Interpret Structure Respiratory protection Mease of insufficient ventilation, wear suitable respiratory equipment. Interpret Structure Skin and body protection Wear appropriate chemical resistant clothing. Interpret Structure Interpret Structure Physical state Liquid. Interpret Structure Interpret Structure Interpret Structure record 10 - 10.5 Interpret Structure Interpret Structure Interpret Structure record 90.3 °C (199.9 °	HYDROTREATED PETROLEUM OIL (CAS	TWA	3 mg/m3	Mist.
(CAS 141-43-5) TWA 3 ppm SEVERELY HYDROTREATED PETROLEUM OLL (CAS 64742-52-5) TWA 5 mg/m3 Inhalable fraction. regineering measures Use process enclosures, local exhaust ventilation, or other engineering controls to control aitbol levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended. resonal protective equipment Mear appropriate chemical resistant gloves. Eye protection Respiratory protection Safety glasses. Wear appropriate chemical resistant gloves. Eye protection Skin and body protection Wear appropriate chemical resistant clothing. Physical and chemical Eye protection Physical state Liquid. Colour Amber Eye protection Safety glasse. ofour Mild amine 10 - 10.5 Eye protection Sa3.3 °C (208.9 °F) Eye protective imitiate boiling range saft point, and boiling range \$3.3 °C (208.9 °F) Eye protective imitiate boiling range Eye protective imitiate imitimitiate imitimitiate imitiate imitiate imitiate imitiat			Value	Form
SEVERELY HYDROTREATED PETROLEUMOLI (CAS 64742-52-5) TWA 5 mg/m3 Inhalable fraction. ngineering measures Use process enclosures, local exhaust ventilation, or other engineering controls to control airbo levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended. resonal protective equipment Inease of insufficient ventilation, wear suitable respiratory equipment. Hand protection Kaesa appropriate chemical resistant gloves. Eye protection Safety glasses. Skin and body protection Wear appropriate chemical resistant clothing. Physical and chemical resistant clothing. Integer (Construction) Physical state Liquid. Colour Amber dour Mid amine 4 10 - 10.5 etting point, initial boling ash point. >93.3 °C (>199.9 °F) pper/over flammability or expressive Ver available. Ramability limit - lower (%) Not available. Phosical time - lower (%) Not available. Phository (%) Not available. point doubling range Ver available. state point >93.3 °C (>199.9 °F) porterior Not available. repoir ver (%)<		STEL	6 ppm	
HYDROTREATED PETROLEUM OIL (CAS 64742-52-5) Use process enclosures, local exhaust ventilation, or other engineering controls to control airbo levels below recommended exposure limits. Eye wash fountain and emergency showers are recommended. respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Hand protection Wear appropriate chemical resistant gloves. Skin and body protection Wear appropriate chemical resistant clothing. Physical and chemical properties Iquid. Colour Amber dour Mid amine H 10 - 10.5 ething point/freezing point -10 °C (14 °F) oiling point, initial boiling ash point 98.3 °C (>199.9 °F) proper/lower flammability or exposes/size limits Not available. Firamability limit - lower (%) Not available. Fiposive limit - lower (%) Not available. r(%) Not available. Explosive limit - upper (%) Not available. figure distity (water) 0.906 - 1.006 out distibility (water) Soluble and chemical point >93.9 °C (>996 - 1.006 out distity (water) Soluble		TWA	3 ppm	
Evelo below recommended exposure limits. Eye wash fountain and emergency showers are recommended. ersonal protective equipment In case of insufficient ventilation, wear suitable respiratory equipment. Hand protection Wear appropriate chemical resistant gloves. Eye protection Safety glasses. Skin and body protection Wear appropriate chemical resistant clothing. Physical and chemical properties Iquid. Colour Amber dour Mild amine H 10 - 10.5 eting point, initial point -10 °C (14 °F) oiling point, initial point 93.3 °C (208.94 °F) point, and bodily renewellow le mints Flammability limit - lower (%) Not available. Explosive limit - upper Not available. (%) Not available. Explosive limit - upper Not available. (%) Not available. explorit resistant in and emergency length Not available.	HYDROTREATED PETROLEUM OIL (CAS	TWA	5 mg/m3	Inhalable fraction.
Respiratory protectionIn case of insufficient ventilation, wear suitable respiratory equipment.Hand protectionWear appropriate chemical resistant gloves.Stin and body protectionSafety glasses.wear appropriate chemical resistant clothing.V=vsical and chemical resistant clothing.V=vsical and chemical resistant clothing.V=vsical stateLiquid.Physical stateLiquid.formClouddourMild aminev=vsical point/reezing point-01 °C (14 °F)oiling point, initial boiling98.3 °C (>199.9 °F)v=vsical state> 93.3 °C (>199.9 °F)v=vsical stateNot available.formNot available.(%)Not available.glossie limit - lower (%)Not available.pressureNot available.glossie limit - upperNot available.(%)Not available.pressureNot available.glossie limit - upperNot available.(%)Not available.pressureNot available.pressureNot available.(%)Not available.pressureNot available.pressureNot available.pressureNot available.(%)Not available.(%)Not available.(%)Not available.(%)Not available.(%)Not available.(%)Not available.(%)Not available.(%)Not available.(%)Not available. <td>ngineering measures</td> <td>levels below recommended exposu</td> <td></td> <td></td>	ngineering measures	levels below recommended exposu		
Hand protectionWear appropriate chemical resistant gloves.Eye protectionSafety glasses.Skin and body protectionWear appropriate chemical resistant clothingPhysical and chemical resistant clothing				
Eye protection Safety glasses. Skin and body protection Wear appropriate chemical resistant clothing. First clain chemical resistant clothing.				ent.
Skin and body protectionWear appropriate chemical resistant clothing.Physical and chemicalVear appropriate chemical resistant clothing.Physical and chemicalVear appropriate chemical resistant clothing.physical stateLiquid.FormLiquid.ColourAmberdourMild amineH10 - 10.5letting point/freezing point-10 °C (14 °F)oling point, initial boiling apport98.3 °C (208.94 °F)per/lower flammability or expressive limitsNot available.flammability limit - tower (%)Not available.flammability limit - tower (%)Not available.flammability limit - tower (%)Not available.exposive limit - upper (%)<	Hand protection	Wear appropriate chemical resistar	t gloves.	
Physical and chemical properties ppearance Physical state Liquid. Form Liquid. Colour Amber dour Mild amine H 10 - 10.5 lelting point/freezing point -10 °C (14 °F) oiling point, initial boiling range 98.3 °C (28.94 °F) lash point > 93.3 °C (> 199.9 °F) pper/lower flammability or explosive limits Not available. (%) Not available. (%) Not available. papour pressure Not available. apour pressure Not available. apour flammability limit - lower (%) Not available. stopour flammability limit - lower (%) Not available. apour pressure Not available. apour flamaphility limit - lower (%) Not available. stopoint, interment of the state o	Eye protection	Safety glasses.		
Physical state Liquid. Form Liquid. Colour Amber dour Mild amine H 10 - 10.5 letting point/freezing point -10 °C (14 °F) joiling point, initial boiling >93.3 °C (208.94 °F) oint, and boiling range >93.3 °C (> 199.9 °F) per/lower flammability or exp>sive limits >93.3 °C (> 199.9 °F) per/lower flammability or explose visualable. Not available. (%) Not available. Flammability limit - lower Not available. (%) Not available. function of the explosive limit - lower (%) Not available. function of the explosive limit - lower (%) Not available. function of the explosive limit - lower (%) Not available. iapour density Not available. vapor density Not available. vapor density 0.90- 1.006 olubility(vies) Solubile solubility(water) Solubile.	Skin and body protection	Wear appropriate chemical resistar	t clothing.	
FormLiquid.ColourAmberModerMild amineH10 - 10.5Helting point/freezing point-10 °C (14 °F)Jobiling point, initial boiling oint, and boiling range> 93.3 °C (> 199.9 °F)Jash point> 93.3 °C (> 199.9 °F)Per//ower flammability or expressive limitsNot available.Flammability limit - lower (%)Not available.Explosive limit - lower (%) (%)Not available.Explosive limit - lower (%) (%)Not available.Per//ower flammability imit - upper (%)Not available.Vot available.Not available.Explosive limit - upper (%)Not available.Import - DestructNot available.Import - DestructSolubleImport - DestructSolubleImport - DestructSolubleImport - DestructSolubleImport - DestructSolubleImport - DestructSolubleImport - DestructSoluble.Import - DestructSoluble.Import - DestructSoluble.Import - DestructSoluble.Import - DestructSoluble.Import - DestructSoluble.Import - DestructSoluble.	. Physical and chemical p	properties		
FormLiquid.ColourAmberAmberMild amineH10 - 10.5Helting point/freezing point-10 °C (14 °F)Joiling point, initial boiling oint, and boiling range> 93.3 °C (> 199.9 °F)Iash point> 93.3 °C (> 199.9 °F)Per//ower flammability or exp:sive limitsNot available.Flammability limit - lower (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - lower (%) (%)Not available.Explosive limit - upper (%)Not available.Iapour densityNot available.Vert densitySolubleSolubility(water)SolubleSolubility(water)SolubleNot available.Vert densityNot available.Vert densitySolubility(water)Not available.Vert densitySolubility(water)Not available.Vert densitySolubility(water)Not available.Vert density <td>ppearance</td> <td></td> <td></td> <td></td>	ppearance			
ColourAmberdurMild amineH10 - 10.5lelting point/freezing point-10 °C (14 °F)olling point, initial boiling range98.3 °C (208.94 °F)oint, and boiling range> 93.3 °C (> 199.9 °F)pre-lower flammability or exposed> vot available.Flammability limit - lowerNot available.(%)Not available.Flammability limit - upper (%)Not available.Flammability limit - upper (%)Not available.pre-sourceNot available.fwildeNot available.(%)Not available.pre-sourceNot available.pre-sourceNot available.pre-sourceNot available.pre-sourceNot available.pre-sourceNot available.pre-tire gravity0.061oluble/Solublesolublity (water)Solublesolublity (water)Solublesolublity (water)Not available.solublity (water)SolublesolubleNot available.solublity (water)Solublesolublity (water)Solublesolublity (water)Solublesolublity (water)SolublesolubleNot available.solublity (water)SolublesolubleNot available.solublity (water)Solublesolublity (water)SolublesolubleNot available.solublity (water)SolublesolubleNot available.soluble <td>Physical state</td> <td>•</td> <td></td> <td></td>	Physical state	•		
dour Mild amine H 10 - 10.5 lelting point/freezing point -10 °C (14 °F) oiling point, initial boiling 98.3 °C (208.94 °F) oint, and boiling range > 93.3 °C (> 199.9 °F) pper/lower flammability or expussive limits Flammability limit - lower flammability limit - upper (%) Not available. flammability limit - upper (%) Not available. fstammability limit - upper (%) Not available. explosive limit - upper (%) Not available. apour pressure Not available. apour density Not available. oublitly(ies) Soluble solubility (water) Soluble artition coefficient Not available.	-			
H 10 - 10.5 lelting point/freezing point -10 °C (14 °F) oiling point, initial boiling 98.3 °C (208.94 °F) pint, and boiling range 98.3 °C (> 199.9 °F) pper/lower flammability or explosive limits Flammability limit - lower Flammability limit - lower Not available. (%) Not available. Flammability limit - upper Not available. (%) Not available. Explosive limit - lower (%) Not available. apour pressure Not available. apour pressure Not available. apour density Not available. vaporation rate < 1 BuAc				
leting point/freezing point -10 °C (14 °F) oiling point, initial boiling 98.3 °C (208.94 °F) oint, and boiling range lash point > 93.3 °C (> 199.9 °F) pper/lower flammability or explosive limits Flammability limit - lower (Not available. (%) Flammability limit - upper (Not available. (%) Explosive limit - lower (%) Not available. Explosive limit - lower (%) Not available. (%) apour pressure Not available. (%) apour pressure Not available. (%) apour density Not available. vaporation rate < 1 BuAc pecific gravity 0.996 - 1.006 olubility(ies) Solubility (water) Soluble artition coefficient Not available.				
oiling point, initial boiling 98.3 °C (208.94 °F) point, and boiling range >93.3 °C (> 199.9 °F) pper/lower flammability or explosive limits Not available. Flammability limit - lower Not available. (%) Not available. Flammability limit - lower (%) Not available. (%) Not available. Explosive limit - lower (%) Not available. (%) Not available. explosive limit - upper (%) Not available. opur pressure Not available. apour pressure Not available. apour density Not available. vaporation rate < 1 BuAc				
init, and boiling range > 93.3 °C (> 199.9 °F) pper/lower flammability or explosive limits Not available. Flammability limit - lower Not available. (%) Not available. Flammability limit - upper Not available. (%) Not available. Explosive limit - lower (%) Not available. Explosive limit - upper Not available. (%) Not available. apour pressure Not available. apour density Not available. vaporation rate < 1 BuAc				
pper/lower flammability or explosive limits Flammability limit - lower Not available. (%) Not available. Flammability limit - upper Not available. (%) Not available. Explosive limit - lower (%) Not available. Explosive limit - upper Not available. (%) Not available. apour pressure Not available. /apour density Not available. /apour density Not available. /apour density 0.996 - 1.006 iolubility(ies) Soluble solubility (water) Soluble variable. Not available.	oint, and boiling range			
Flammability limit - lower (%)Not available.Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.apour pressure (%)Not available.apour density vaporation rate pecific gravityNot available.olubility(ies) Solubility (water)SolubleSolubility (water)SolubleArtition coefficient octanol/water)Not available.	-	· · · ·		
Flammability limit - upper (%)Not available.Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.apour pressureNot available.apour densityNot available.vaporation rate< 1 BuAcpecific gravity0.996 - 1.006olubility(ies)SolubleSolubility (water)SolubleAutition coefficient hord available.Not available.	Flammability limit - lower			
Explosive limit - lower (%)Not available.Explosive limit - upper (%)Not available.Auour pressureNot available.Vapour densityNot available.Vaporation rate< 1 BuAcOutput limit(ies)Solubility(water)SolubleSolubility(water)Soluble.Not available.	Flammability limit - upper	Not available.		
Explosive limit – upper (%)Not available.apour pressureNot available.apour densityNot available.vaporation rate< 1 BuAcpecific gravity0.996 - 1.006olubility(ies)SolubileSolubility (water)SolubleNot available.		Not available.		
apour pressureNot available.apour densityNot available.vaporation rate< 1 BuAcpecific gravity0.996 - 1.006olubility(ies)SolubileSolubility (water)Solubleartition coefficientNot available.	Explosive limit – upper	Not available.		
apour density Not available. vaporation rate < 1 BuAc		Not available.		
vaporation rate < 1 BuAc		Not available.		
pecific gravity 0.996 - 1.006 olubility(ies) Solubility (water) Soluble artition coefficient Not available. h-octanol/water)	•			
olubility(ies) Solubility (water) Solubility (water) Soluble artition coefficient Not available. n-octanol/water) Soluble	-			
Solubility (water) Soluble artition coefficient Not available. n-octanol/water) Not available.				
artition coefficient Not available. n-octanol/water)		Soluble		
uto-ignition temperature Not available.	artition coefficient	Not available.		
	uto-ignition temperature	Not available.		

Decomposition temperature	Not available.
Viscosity (Coefficient of viscosity)	Not available.
Other information	
Flash point class	ASTM D93-08
pH in aqueous solution	9.4 - 10

10. Stability and reactivity

•	•
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.
Incompatible materials	Strong acids. Powerful oxidizers.
Hazardous decomposition products	To avoid thermal decomposition, do not overheat.

11. Toxicological information

Acute toxicity	Not classified.
Skin corrosion/irritation	May be irritating to the skin.
Serious eye damage/eye irritation	May be irritating to eyes.

Respiratory or skin sensitisation

Respiratory sensitisation	Not available.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.

12. Ecological information

Ecotoxicity	Not available.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulation	No data available.
Mobility in soil	No data available for this product.
Hazardous to the ozone layer	Not available.
Other hazardous effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Dispose in accordance with all applicable regulations.

Residual waste Dispose of in accordance with local regulations.

Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Follow precautions for safe handling described in this safety data sheet.
Local disposal regulations	Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

CNDG

Not regulated as dangerous goods.

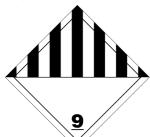
ΙΑΤΑ

Not regulated as dangerous goods.

IMDG

UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (ALKANES, C14-16, CHLORO)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Label(s)	9
Packing group	
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F

Special precautions for user Read safety instructions, SDS and emergency procedures before handling. IMDG



Marine pollutant



15. Regulatory information

Fire Service Act

Not dangerous goods under Fire Service Law

Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, ordinance number and content) Not regulated.

Class 1 substances (substance name, ordina	nce number and cont	tent)	
2-Aminoethanol	Ordinance No. 20	3.7 %	(MONOETHANOLAMINE)
Boron compounds	Ordinance No. 405	5.6 %	(AMINE BORATE)
Chlorinated normal paraffin	Ordinance No. 597	6.4 %	(CHLORINATED NORMAL PARAFFIN)
N,N-DICYCLOHEXYLAMINE	Ordinance No. 188	1.7 %	(DICYCLOHEXYLAMINE)
N,N-Dipolyoxyalkylene-N-alkyl (or alkenyl) (C6-28) amine	Ordinance No. 577	1.0 %	(N,N-Dipolyoxyalkylene-N-alkyl (or alkenyl) (C6-28) amine)
POLY(OXYETHYLENE)ALKYL ETHER (ALKYL C=12-15)	Ordinance No. 407	3.0 %	(ALCOHOLS, C12-13, ETHOXYLATED)
Class 2 substances (substance name, ordina Not regulated.	nce number and cont	ent)	

Poisonous and Deleterious None reported Substances Control Law

16. Other 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. Master Fluid Solutions cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

Revision date

03-May-2023