SAFETY DATA SHEET

SIEMENS

Immulite® 2000 IL-6

MSDS no. : L2K6P2

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

1.1 Product identifier

Product name : Immulite® 2000 IL-6

Product code : L2K6P2, L2K6P2(D), 10381445, 10381452

Product description : Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

1.3 Company/undertaking identification

Manufactured/supplied : Siemens Healthcare Diagnostics Limited
Sir William Siemens Square
Newton House
Camberley
Frimley
Surrey
GU16 8QD
UK

Phone: +44 (0) 1276 696000
Fax: +44 (0)1276 696133

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens.com

1.4 Emergency telephone number

: Poison Control:
In England and Wales:
NHS Direct – 0845 4647 or 111
In Scotland: NHS 24 – 08454 24 24 24
In the Republic of Ireland: 01 809 2166

CHEMTREC: 0870-8200418 (UK only)
00 + 1 + 703-527-3887 (UK & Ireland)
(International calls to the United Kingdom)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : IL-6 Reagent Wedge — Mixture
IL-6 Adjustors — Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

IL-6 Adjustors

ACUTE TOXICITY	dermal	Category 4
LONG-TERM AQUATIC HAZARD		Category 3

SECTION 2: Hazards identification

	IL-6 Reagent Wedge	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
	IL-6 Adjustors	The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Ingredients of unknown toxicity :	IL-6 Reagent Wedge IL-6 Adjustors	
Ingredients of unknown ecotoxicity :	IL-6 Reagent Wedge IL-6 Adjustors	

Classification according to Directive 1999/45/EC [DPD]

	IL-6 Reagent Wedge	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
	IL-6 Adjustors	The product is classified as dangerous according to Directive 1999/45/EC and its amendments.
Classification :	IL-6 Reagent Wedge IL-6 Adjustors	Not classified. T; R25 R52/53
Physical/chemical hazards :	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not applicable.
Human health hazards :	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Toxic if swallowed.
Environmental hazards :	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms :

Signal word :	IL-6 Reagent Wedge IL-6 Adjustors	No signal word. Warning
Hazard statements :	IL-6 Reagent Wedge	No known significant effects or critical hazards.
	IL-6 Adjustors	H312 - Harmful in contact with skin. H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention :	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P273 - Avoid release to the environment.

SECTION 2: Hazards identification

Response	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. P302 + P352 + P312 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell.
Storage	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not applicable.
Disposal	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
	:		
Hazardous ingredients	:	**IL-6 Adjustors** Sodium azide	
Supplemental label elements	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	:	IL-6 Reagent Wedge IL-6 Adjustors	None known. None known.
Additional information	:	Not available. Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.	

SECTION 3: Composition/information on ingredients

Substance/mixture	:	IL-6 Reagent Wedge IL-6 Adjustors	Mixture Mixture

Product/ingredient name	Identifiers	%	Classification 67/548/EEC	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
IL-6 Adjustors sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	≤1.3	T+; R28 R32 N; R50/53 **See Section 16 for the full text of the R-phrases declared above.**	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032 **See Section 16 for the full text of the H statements declared above.**	[1] [2]

SECTION 3: Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard
[2] Substance with a workplace exposure limit
[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	IL-6 Reagent Wedge	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		IL-6 Adjustors	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	:	IL-6 Reagent Wedge	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		IL-6 Adjustors	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 4: First aid measures

Skin contact	:	IL-6 Reagent Wedge	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		IL-6 Adjustors	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	IL-6 Reagent Wedge	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
		IL-6 Adjustors	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	:	IL-6 Reagent Wedge	No action shall be taken involving any personal risk or without suitable training.
		IL-6 Adjustors	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

SECTION 4: First aid measures

Eye contact	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Inhalation	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Skin contact	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	Harmful in contact with skin.
Ingestion	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Inhalation	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Skin contact	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Ingestion	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	:	IL-6 Reagent Wedge	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		IL-6 Adjustors	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	IL-6 Reagent Wedge	No specific treatment.
		IL-6 Adjustors	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SECTION 5: Firefighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
halogenated compounds
metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
IL-6 Adjustors C2: Toxic	50	200

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
IL-6 Adjustors sodium azide	**EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. Notes: as NaN3** STEL: 0.3 mg/m³, (as NaN3) 15 minutes. TWA: 0.1 mg/m³, (as NaN3) 8 hours.

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 8: Exposure controls/personal protection

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	IL-6 Reagent Wedge IL-6 Adjustors	Liquid. Solid.
Colour	:	IL-6 Reagent Wedge IL-6 Adjustors	Colourless. Colourless.
Odour	:	IL-6 Reagent Wedge IL-6 Adjustors	Odourless. Odourless.
pH	:	IL-6 Reagent Wedge IL-6 Adjustors	7.35 to 7.45 Not applicable.
Melting point/freezing point	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Initial boiling point and boiling range	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Flash point	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Evaporation rate	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Flammability (solid, gas)	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Burning time	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not available.
Burning rate	:	IL-6 Reagent Wedge IL-6 Adjustors	Not applicable. Not available.
Upper/lower flammability or explosive limits	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Vapour pressure	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Solubility in water	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Partition coefficient: n-octanol/water	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Auto-ignition temperature	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Decomposition temperature	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Viscosity	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.
Explosive properties	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Explosive in the presence of the following materials or conditions: metals, acids and moisture.
Oxidising properties	:	IL-6 Reagent Wedge IL-6 Adjustors	Not available. Not available.

SECTION 9: Physical and chemical properties

9.2 Other information

SADT : Not available.

Aerosol product

Type of aerosol :

Heat of combustion :

Ignition distance :

Enclosed space ignition - Time equivalent :

Enclosed space ignition - Deflagration density :

Flame height :

Flame duration :

SECTION 10: Stability and reactivity

10.1 Reactivity	:	IL-6 Reagent Wedge	No specific test data related to reactivity available for this product or its ingredients.
		IL-6 Adjustors	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	IL-6 Reagent Wedge	The product is stable.
		IL-6 Adjustors	The product is stable.
10.3 Possibility of hazardous reactions	:	IL-6 Reagent Wedge	Under normal conditions of storage and use, hazardous reactions will not occur.
		IL-6 Adjustors	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
10.5 Incompatible materials	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
10.6 Hazardous decomposition products	:	IL-6 Reagent Wedge	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		IL-6 Adjustors	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
IL-6 Adjustors				
sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary : IL-6 Reagent Wedge — Not available.
IL-6 Adjustors — Not available.

Acute toxicity estimates

Route	ATE value
IL-6 Adjustors	
Oral	2547.4 mg/kg
Dermal	1887 mg/kg

Irritation/Corrosion

Conclusion/Summary

Skin	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Eyes	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Respiratory	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Sensitisation

Conclusion/Summary

Skin	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Respiratory	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Mutagenicity

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Carcinogenicity

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Reproductive toxicity

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Teratogenicity

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure :

SECTION 11: Toxicological information

Potential acute health effects

Eye contact	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Inhalation	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Skin contact	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	Harmful in contact with skin.
Ingestion	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Inhalation	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Skin contact	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.
Ingestion	:	IL-6 Reagent Wedge	No specific data.
		IL-6 Adjustors	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Potential delayed effects	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Long term exposure

Potential immediate effects	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Potential delayed effects	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
General	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Carcinogenicity	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Mutagenicity	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Teratogenicity	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Developmental effects	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Fertility effects	:	IL-6 Reagent Wedge	No known significant effects or critical hazards.
		IL-6 Adjustors	No known significant effects or critical hazards.
Interactive effects	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
IL-6 Adjustors			
sodium azide	Acute EC50 0.348 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 4.2 to 6.2 mg/l Fresh water	Daphnia - Daphnia pulex - Larvae	48 hours
	Acute LC50 9000 µg/l Fresh water	Crustaceans - Gammarus lacustris	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Macrocystis pyrifera	96 hours

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

12.2 Persistence and degradability

Conclusion/Summary	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{OC})	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.
Mobility	:	IL-6 Reagent Wedge	Not available.
		IL-6 Adjustors	Not available.

12.5 Results of PBT and vPvB assessment

SECTION 12: Ecological information

PBT : IL-6 Reagent Wedge — Not applicable.
IL-6 Adjustors — Not applicable.

vPvB : IL-6 Reagent Wedge — Not applicable.
IL-6 Adjustors — Not applicable.

12.6 Other adverse effects : IL-6 Reagent Wedge — No known significant effects or critical hazards.
IL-6 Adjustors — No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : IL-6 Reagent Wedge — Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
IL-6 Adjustors — The classification of the product may meet the criteria for a hazardous waste.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID

14.1 UN number	IL-6 Reagent Wedge	Not regulated.
	IL-6 Adjustors	Not regulated.
14.2 UN proper shipping name	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.3 Transport hazard class(es)	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.4 Packing group	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

SECTION 14: Transport information

14.5 Environmental hazards	IL-6 Reagent Wedge	No.
	IL-6 Adjustors	No.
Additional information	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

ADN

14.1 UN number	IL-6 Reagent Wedge	Not regulated.
	IL-6 Adjustors	Not regulated.
14.2 UN proper shipping name	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.3 Transport hazard class(es)	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.4 Packing group	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.5 Environmental hazards	IL-6 Reagent Wedge	No.
	IL-6 Adjustors	No.
Additional information	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

IMDG

14.1 UN number	IL-6 Reagent Wedge	Not regulated.
	IL-6 Adjustors	Not regulated.
14.2 UN proper shipping name	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.3 Transport hazard class(es)	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.4 Packing group	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.5 Environmental hazards	IL-6 Reagent Wedge	No.
	IL-6 Adjustors	No.
Additional information	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

IATA

14.1 UN number	IL-6 Reagent Wedge	Not regulated.
	IL-6 Adjustors	Not regulated.
14.2 UN proper shipping name	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

SECTION 14: Transport information

14.3 Transport hazard class(es)	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.4 Packing group	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-
14.5 Environmental hazards	IL-6 Reagent Wedge	No.
	IL-6 Adjustors	No.
Additional information	IL-6 Reagent Wedge	-
	IL-6 Adjustors	-

14.6 Special precautions for user

IL-6 Reagent Wedge

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

IL-6 Adjustors

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles :	IL-6 Reagent Wedge	Not applicable.
	IL-6 Adjustors	Not applicable.

Other EU regulations

Europe inventory :

Seveso Directive

IL-6 Reagent Wedge	This product is not controlled under the Seveso Directive.
IL-6 Adjustors	This product is not controlled under the Seveso Directive.

SECTION 15: Regulatory information

Danger criteria

Category
IL-6 Adjustors C2: Toxic

International regulations

Chemical Weapons Convention List Schedule I Chemicals	:	IL-6 Reagent Wedge	Not listed
		IL-6 Adjustors	Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	IL-6 Reagent Wedge	Not listed
		IL-6 Adjustors	Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	IL-6 Reagent Wedge	Not listed
		IL-6 Adjustors	Not listed

15.2 Chemical safety assessment : Not applicable.

SECTION 16: Other information

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
vPvB = Very Persistent and Very Bioaccumulative

IL-6 Adjustors	
Acute Tox. 4, H312	Calculation method
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements : **IL-6 Adjustors**

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS] : **IL-6 Adjustors**

Acute Tox. 1, H310	ACUTE TOXICITY (dermal) - Category 1
Acute Tox. 2, H300	ACUTE TOXICITY (oral) - Category 2
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Aquatic Acute 1, H400	ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
EUH032	Contact with acids liberates very toxic gas.

SECTION 16: Other information

Full text of abbreviated R phrases : R28- Very toxic if swallowed.
R25- Toxic if swallowed.
R32- Contact with acids liberates very toxic gas.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD] : T+ - Very toxic
T - Toxic
N - Dangerous for the environment

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