

Safety Data Sheet per OSHA HazCom 2012

1	1 Identification	
	Product identifier Product name: (S)-(-)-1-Benzyl-3-acetamidopyrrolidine	
	Stock number: L19689 CAS Number: 114636-30-5 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
	Details of the supplier of the safety data sheet	
	Manufacturer/Supplier: Alfa Aesar	
	Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com	
	Information Department: Health, Safety and Environmental Department Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-	0789.
2	Plazard(s) identification	
2	Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known.	
	Label elements GHS label elements Not applicable Hazard pictograms Not applicable Signal word Not applicable	
	Signal word Not applicable Hazard statements Not applicable WHMIS classification Not controlled Classification system	
	HMIS ratings (scale 0-4) (Hazardous Materials Identification System) HEALTH I HEALTH I HEALTH I Flammability = 1	
	REACTIVITY 1 Physical Hazard = 1	
	Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	
3	3 Composition/information on ingredients	
	Chemical characterization: Substances CAS# Description: 114636-30-5 (S)-(-)-1-Benzyl-3-acetamidopyrrolidine	
4	1 First-aid measures	
	Description of first aid measures After inhalation Supply fractions in it required provide artificial respiration. Keep patient worm	
	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice. After skin contact	
	Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.	
	After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
	Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5	5 Fire-fighting measures	
	Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released:	
	Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Advice for firefighters	
	Advice for inferignents Protective equipment: Wear self-contained respirator.	
	Wear fully protective impervious suit.	
6	6 Accidental release measures Personal precautions, protective equipment and emergency procedures	
	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation	
	Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Pick up mechanically. Prevention of secondary hazards: No special measures required.	
	Reference to other sections See Section 7 for information on safe handling	
	See Section 8 for information on personal protection equipment.	(Contd. on page 2)

Product name: (S)-(-)-1-Benzyl-3-acetamidopyrrolidine

See Section 13 for disposal information.

7 Handling and storage

Handling Precautions for safe handling Handle under dry protective gas. Keep container tightly sealed. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Refrigerate Information about storage in one common storage facility: Store away from air. Protect from heat. Store away from oxidizing agents. Further information about storage conditions: Store under dry inert gas. This product is air sensitive. Keep container tightly sealed. Refrigerate

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Personal protective equipment

General protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:

Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective work clothing.

9 Physical and chemical properties

or mysical and chemical properties					
Information on basic physical and che General Information Appearance: Form:	Powder				
Color:	Pale cream				
Odor:	Not determined				
Odor threshold:	Not determined.				
	Not determined.				
pH-value:	Not applicable.				
Change in condition					
Melting point/Melting range:	44-46 °C (111-115 °F)				
Boiling point/Boiling range:	Not determined				
Sublimation tomporature / atort					
Sublimation temperature / start:	Not determined				
Flammability (solid, gaseous)	Not determined.				
Ignition temperature:	Not determined				
Decomposition temperature:	Not determined				
Auto igniting:	Not determined.				
Danger of explosion: Explosion limits:	Not determined.				
Lower:	Not determined				
Upper:	Not determined				
	Not determined				
Vapor pressure:	Not applicable.				
Density:	Not determined				
Relative density	Not determined.				
Vapor density	Not applicable.				
Evaporation rate	Not applicable.				
Solubility in / Miscibility with					
Water:	Not determined				
Partition coefficient (n-octanol/water):					
Viscosity:					
dynamic:	Not applicable.				
kinematic:					
	Not applicable.				
Other information	No further relevant information available.				
10 Ctability and reactivity					

10 Stability and reactivity

Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents

Conditions to avoid No further relevant information available.

(Contd. on page 3)

(Contd. of page 1)

Construction provides a general Construction of the materials: Construction of the materials	Product name: (S)-(-)-1-Benzyl-3-acetamidopyrrolidine					
Autom Autom <td< td=""><td></td><td></td><td>(Contd. of page 2)</td></td<>			(Contd. of page 2)			
Half model Proceedings of a stack of doods Half model In Toxicological afforts In Toxicological information In Toxicological afforts Half model Stack model Stack model Stack mod	Air					
Heardbook Heardbook Minisogin costs How book object 11 Trackoological information How book object How costsopical information How book object How costsopical information How costsopical information By information or correction: May cuss infolion How costsopical information By information or correction: May cuss infolion How costsopical information Cost costsopical information: May cuss infolion How costsopical information Cost costsopical information: May cuss infolion How costsopical information Cost costsopical information: For the how costsopical proporties of this material is available from the EPA. LARC, NTP. OSHA or ACGHL Cost costsopical information: For the how costsopical information: For the how for the souther costsopical information: For the how costsopical information available. For the souther costsopical information information available. How costsopical information: For the how costsopical information available. For the application of the information available. How costsopical information: For the how costsopical information available. For the application How costsopical information: For the how costsopical information available. For the applicatin formation: For the ho	Oxidizing agents Heat					
Intragen codes Introduction Introduction Information on toxicological effects Solution Solution	Hazardous decomposition products:					
Information on toucidopical effects ADME Society, the effects summing Solution in trabtom or correstors, May cause infinition Solution in trabtom or correstors, May cause infinition Solution infration or correstors, May cause infinition Solution infration or correstors, May cause infinition Germ cell multispericity, Ma effects known. Specific larget organ system toxicity - repeated exposure, Ne effects known. Specific larget organ system toxicity - organ system. Approximation for the effect social model of the board. Approximation for the effect social model of the board. Approximation for the effect social model of the board. Approximation for the effect social model of the board. Approximation of the effect social model of the board. Toxicity - organ system oxicity to infrate and the social model of the board. Approximation of the effect social model of the board. Toxicity - organ system oxicity to infrate and social model of the board. Approximation organization organization. Toxicity - organ system oxicity of the social model of the oxicity of the						
Information on toxicological effects Addition of the effects form. Second Seco	11 Toxicological information					
LDLCSD values that are relevant for classification: No data by provide the second provide	-					
Shen infration or corrosofts from the gauge infration generation generation of the sector of the sec	Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data					
Sensitization: Vo. sensitizing effects known: Gurantogenetic No labor incompanies of properties of this material is available from the EPA, IARC, NTP, OSHA or ACGH. Reproductive Concern, No allocits known: Application Reserved Reproduction Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Additional Exercision, No effects from: Additional Exercision Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Sensitive Additional Exercision, No effects from: Additional Exercision, No effects from: Additiona	Skin irritation or corrosion: May cause irritation					
Reproductive toxicity: No effects known: Specific target own system toxicity: - while exposure: No effects known: Specific target own system toxicity: - while exposure: No effects known: Aprilation Razard: No effects known Authibition Toxicity: - while exposure: No effects known: Authibition Toxicity: - while exposure information available. Parisistence action of the parision of the	Sensitization: No sensitizing effects known.					
Reproductive toxicity: No christs known, meaned exposure: No effects known. Specific targe group system toxicity: - shife exposure: No effects known. Application Reard: No effects known Application Could Physics Reard: No effects known Reard: No	Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this ma	aterial is available from the EPA, IARC, NTP, OSHA or ACGIH.				
Specific argin organ system toolog: a single exposure: No effects known. Subacult to formic toolicit: No ends known. Additional toolcological information: Toolog: Decision of the provide state of the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Technolog: Specific argin of the provide state of our knowledge the acute and chronic toxicity of this substance is not fully known. Technolog: Specific argin of the provide state of our knowledge the acute and chronic toxicity of this substance is not fully known. Technolog: Specific argin of the provide state of the	Specific target organ system toxicity - repeated exposure: No effects kno	own.				
Subseque to chronic toxicity: No effects known: Additional toxicological information Toxicity Aquete toxicity: No further relevant information available Presistence and degraduality in the Uniter relevant information available Presistence and degraduality in the Uniter relevant information available Additional toxicity: No further relevant information available Additional toxicity: No further relevant information available Additional toxicity: No further relevant information available Additional toxicity in soft No Uniter relevant information available Additional toxicity in soft No Uniter relevant information available Additional toxicity in soft No Uniter relevant information available Toxicity Do not allow unditated product or large quantities to reach ground water, water course or sewage system. Additional toxicity in the toxicity of the sessment PET. Not applicable Other water softwart information available. Toxicity Disposal considerations Waste treatment methods Recommendation: Disposal considerations Do not adverse affects No further relevant information available. 11 Transport information UV proper shipping name DO not, ADN, MIDG, IATA Not applicable DO not ADN, MIDG, IATA Not applicable DO not ADN, MIDG, IATA Not applicable DO not ADN, MIDG, IATA Transport hazard class(es) DO not ADN, MIDG, IATA Transport information DO not ADN, MIDG, IATA Transport information DO not ADN, MIDG, IATA Transport Madtitional I	Specific target organ system toxicity - single exposure: No effects known	Specific target organ system toxicity - single exposure: No effects known.				
2 Cological information Toxicity Agued toxicity: No further relevant information available. Agued toxicity: No further relevant information available. Mobility is not No further relevant information available. Mobility: Toxicity: No further relevant information available. Mobility is not No further relevant information available. Mobility: Toxicity: No further relevant information available. Mobility: Toxicity: No further relevant information available. Mobility: Toxicity: No further relevant information available. Mobility: Toxicity: No further relevant information available. Motor average affects: No further relevant information available. Motor average affects: No further relevant information available. 13: Disposal considerations: Motor average affects: No further relevant information available. 14: Transport information Mot applicable. 0: Of, AON, MiDB(MTA Not applicable. 10: Of, AON, MIDB, MTA Not applicable. 10: Of, AON, ANDO,	Subacute to chronic toxicity: No effects known.	ite and chronic toxicity of this substance is not fully known				
Totkiy Aguetic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Aduetic toxicity: No further relevant information available. Mainter relevant information available. Mobility in solub further relevant information available. Mainter relevant information available. Additional ecological information Additional ecological information available. Dering linkinger Mainter relevant information available. Total variable information Mainter relevant information available. 30 Disposal considerations Mainter relevant information available. 31 Disposal considerations Mainter relevant information available. 31 Disposal considerations Mainter relevant information available. 31 Transport information Uncleaned packetingings: Recommendation: Disposal must be made according to official regulations. 14 Transport hazar dissi(s) Not applicable DOT, ADR, ADR, MAD, IATA Not applicable DOT, ADR, ADR, MAD, IATA Not applicable DOT, ADR, MBG, IATA Not applicable Port advine relevant information: - DOT, ADR, MBG, IATA Not applicable Port advin MBG, IATA Not applicable	<u>_</u>	to and onionic toxicity of this substance is not fully known.				
Aquadic toxicity: No. Intrine: relevant information available. Persistence and degredability to humber relevant information available. Mobility: In soil No. Linther relevant information available. Don't allow unciliated product or large quantities to reach ground water, water course or sewage system. Avaid transite in othe environment. Berling: Control allow unciliated product or large quantities to reach ground water, water course or sewage system. Avaid transite in othe environment. Berling: Control allow unciliated product or large quantities to reach ground water, water course or sewage system. Avaid transite in othe environment. Berling: Control allow unciliated product or large quantities to reach ground water, water course or sewage system. Wet Not applicable. Dotter adverse effects No Luther relevant information available. 31 Sigssel consideration Consult state. local or national regulations to ensure proper disposal. Uncleared packegings: Recommendabilis: Disposal consideration Dot, ADN, MIDG, IATA Not applicable Dot, Berling: Control Not applicable Dot, ADN, MIDG, IATA Not applicable Dot, Berling: Dotte applicable Dot, ADN, MIDG, IATA Not applicable Dot, Berling: Dotte applicable Dot, Berling: Dotte applicable Dotte appli						
Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Additional ecological information: Convert information Con	Aquatic toxicity: No further relevant information available.					
Mobility on soil Ko, Unther relevant information: General notes: Do not allow undillated product or large quantities to reach ground water, water course or sewage system. Avoid transfer note in the environment. Performance Provide allow undillated product or large quantities to reach ground water, water course or sewage system. Avoid transfer note in the environment. Performation: Performation: Provide adverse effects No further relevant information available. 13 Disposal consideration: Waster instantient methods: Recommendation: Mobility and soil was be made according to official regulations. 14 Transport information UbA, Humber DOT, ADN, HDDG, IATA Not applicable DOT, MOR, IATA Not applicable DOT, MOR, IATA Not applicable Paching group DOT, MOR, IATA Not applicable	Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available.					
General notes:	Mobility in soil No further relevant information available.					
Avoid transfer into the environment. Predicts of PSF and VP sessessment Verbits: Not Ripplicable. Other adverse effects No. further relevant information available. 13 Disposal considerations Wase treatment methods Recommendation: Disposal must be made according to official regulations. 14 Transport information UN-Number Dot, ADN, MMCG, IATA Not applicable DoT, ADN, ANDC, IATA Class Pecking group DoT, MMCG, IATA Not applicable Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport in bu	General notes:					
PBT: Not applicable. Other adverse effects No further relevant information available. 13 Disposal considerations Weak Not adverse effects No further relevant information available. 13 Disposal considerations Weak Not adverse effects No further relevant information available. 13 Disposal considerations Weak Not adverse effects No further relevant information available. 14 Transport information UN-Number DOT, ADN, IMDG, IATA 01, ADN, IMDG, IATA 11, Transport lazard class(es) 01, ADN, IMDG, IATA 12, ADN, IMDG, IATA 13, DT, ADR, ADN, IMDG, IATA 14, Transport lazard class(es) 15, Regulatory, Information 14, Transport lazard class(es) 15, Regulatory, information 16, Regulatory, information 17, Transport Into Unit according to Annex II of MARPOL7378 and the IBC Code Not applicable. 17, Transport Information 14, Safety, Aealth and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable	Avoid transfer into the environment.	er course or sewage system.				
Other adverse effects No further relevant information available. 13 Disposal considerations Waste transmert methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Useposal must be made according to official regulations. 14 Transport information UN-Number DOT, ADN, IMDG, IATA Not applicable Way roper shipping name DOT, ADN, IMDG, IATA Not applicable Transport hazard class(es) DT, ADN, IMDG, IATA Not applicable Transport nazard class(es) DT, ADN, IMDG, IATA Not applicable Transport nazard class(es) DT, MDG, IATA Not applicable. Special precautions for user Not applicable. Transport nation available according to Annex II of MARPOL7378 and the IBC Code Not applicable. Transport NAdditional information: DT DT Marine Pollutant (DOT): Not VM Mode Regulation*: 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Sin product is not listed in the U.S. Environmental Pro	PBT: Not applicable.					
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: 14 Transport information UN-Number DoT, ADM, MBO, IATA Not applicable UN proper shipping name DoT, ADM, MBO, IATA Not applicable Transport hazard class(es) DoT, ADM, MBO, IATA Not applicable Packing group DoT, MBC, IATA Not applicable Packing group DoT, MBC, IATA Not applicable Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOLT3778 and the IBC Code Not applicable. Transport/Additional information: DOT Model Regulation*: * * * * * * * * * * * * </td <td></td> <td></td> <td></td>						
Wasie treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 11 Transport information UN-Number DOT, ADN, MIDG, IATA Not applicable UN proper shipping name DOT, ADN, MIDG, IATA Not applicable Transport hazard class(es) DT, ADN, MIDG, IATA Not applicable Packing group Pott, ADN, MIDG, IATA Class Not applicable Packing group DoT, MIDG, IATA Not applicable Packing group DoT, MIDG, IATA Not applicable Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOLT3/78 and the IBC Code Not applicable. Transport Additional Information: DoT Marine Pollutant (DOT): UN "Model Regulations": UN "Model Regulations": This product is not listed on the US Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to tosearch and development only. This product is not listed. Signal word for contineecial Substances is not listed. </td <td></td> <td></td> <td></td>						
Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 14 Transport information UN-Number DOT, ADN, IMDG, IATA Not applicable W1 Proper Shipping name DOT, ADN, IMDG, IATA Not applicable Transport Information DOT, ADN, IMDG, IATA Class Not applicable DOT, MDG, IATA Not applicable Packing group DOT, MDG, IATA Not applicable Packing group DOT, MDG, IATA Not applicable Environmental hazards: Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT MO Marine Pollutant (DOT): No No dements Not applicable Hattory Information Safety, health and environmental regulations/legislation specific for the substance or mixture Signal work Not applicable Hattore Regulation*: IN* Model Regulation*: IN* Model Regulation*: <td></td> <td></td> <td></td>						
Recommeridation: Difficial regulations. 14 Transport information Information UN-Number DOT, ADN, IMDG, IATA Not applicable WN proper shipping name DOT, ADN, MIDG, IATA Not applicable Transport hazard class(es) DOT, ADN, MIDG, IATA DOT, ADR, ADN, IMDG, IATA Not applicable Transport hazard class(es) Not applicable DOT, MDC, IATA Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information Specific for the substance or mixture GHS bale led enements Not applicable be hazard pictograms Not applicable be hazard pictogrammetal purposes or in formulations piccommercia	Recommendation Consult state, local or national regulations to ensure proper disposal.					
UN-Number DOT, ADN, MMDG, IATA Not applicable UN propor shipping name DOT, ADN, MMDG, IATA Not applicable Transport hazard class(es) DOT, ADN, MDDG, IATA DOT, ADN, MDDG, IATA Not applicable Packing group Not applicable Packing group Not applicable Packing group Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport/Additional information: DOT DOT Mod applicable. Transport/Additional information: DOT DOT Mod Marine Pollutant (DOT): No UN 'Mode Regulation'': - 15 Regulatory information No Safety, health and anytomental regulations/legislation specific for the substance or mixture GHS label elements Not applicable National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Individual as defined by TSCA. This group word Not applicable National regulations Substance is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Is tot listed in the U.S. Environmental Protection Agency	Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.					
DOT, ADN, IMDG, IATA Not applicable UN proper shipping name bot, ADN, IMDG, IATA Not applicable Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class Not applicable Packing group DOT, IMDG, IATA Not applicable Environmental hazards: Not applicable Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Mot applicable Transport/Additional information: DOT Mot applicable - 15 Regulatory information - - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictory informations Safety, health and environmental regulations/legislation for commercial purposes. - Safety, health and environonmental regulations/legislation specific for the subst	14 Transport information					
UN rooper shipping name Not applicable DOT, ADN, IMDG, IATA Not applicable Class Not applicable Packing group Not applicable Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 115 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Signal word Not applicable - Hazard statements Not applicable Hazard statements Not applicable Hazard statements Not applicable Substance Sontrol Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This group of the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed.		Not applicable				
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class Not applicable Packing group DOT, IMDS, IATA DOT, JMDS, IATA Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product is not listed on the Canadian Domestic Substance is not listed. Calatoria in Proposition 65 Gause cancer Substance is not listed.	UN proper shipping name					
DOT, ADR, ADN, IMDG, IATA Not applicable Packing group Not applicable Packing group Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Signal word Not applicable - 15 Regulatory information - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable - Hazard pictograms Not applicable - Matter regulations - This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and copyrement only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This or protect is not listed. Prop 65 - Developmental toxicity Substances is not listed. Prop 65 - Developmental toxici		Not applicable				
Class Not applicable Packing group DOT, IMDG, IATA Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Image: Code Not applicable. Transport/Additional information: DOT DOT Marine Pollutant (DOT): No UN * Model Regulation*: - 15 Regulatory information - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard statements Not applicable - - Mation Regulations This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product inst not be used of commercial purposes. - This product must not be used of commercial substances last (DSL) or the Canadian Non-Domestic Substances List (NDSL). Sefformia Proposition 65 Afformia Proposition 65 - - - Mation 2005 - - - Mation 10 to use and listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical S						
DOT, IMDG, IATA Not applicable Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard statements Not applicable - - Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard statements Not applicable - - Mational regulations - - This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product is not listed on the Canadian Domestic	Class	Not applicable				
Environmental hazards: Not applicable. Special precautions for user Not applicable. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT No Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable Hazard statements Not applicable Specific for the substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product in soft sted on the Canadian Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, ma	Packing group DOT, IMDG, IATA	Not applicable				
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable Hazard statements Not applicable Mational regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product in soft listed on the Canadian Domestic Substance s. List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Development		Not applicable.				
Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information - Safety, health and environmental regulations/legislation specific for the substance or mixture - GHS Tabel elements Not applicable - Hazard pictograms Not applicable - Hazard statements Not applicable - Hazard statements Not applicable - Mational regulations - This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substance Is to listed. Prop 63 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, temale Substance is not listed. Prop 65 - Developmental toxicity, temale Substance is not listed. Prop 65 - Developmental toxicity, temale Substance is not listed. <						
DOT Marine Pollutant (DOT): No W "Model Regulation": - 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard pictograms Not applicable Hazard Not applicable Hazard pictograms This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product is not be used for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity (C) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. Other regulations, limitations and prohibitive regulations	· · · · · · · · · · · · · · · · · · ·	ode Not applicable.				
Marine Pollutant (DOT): No UN "Model Regulation": - 15 Regulatory information - Safety, health and environmental regulations/legislation specific for the substance or mixture - GHS label elements Not applicable - Hazard pictograms Not applicable - Hazard statements Not applicable - Hazard statements Not applicable - Mational regulations - This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product is not listed on the Canadian Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. - Prop 65 - Developmental toxicity, female Substance is not listed. - Prop 65 - Developmental toxicity, female Substance is not listed. - Prop 65 - Developmental toxicity, male Substance is not listed. - Prop 65 - Developmental toxicity, male Substance is not listed. - Prop 65 - Developmental toxicity, male Substance is not listed. - Prop 65 - Developmental toxicity, male Substance is not listed. -	· · ·					
15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Mational regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 13 (specific toxic chemical listings) Substance is not listed. Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity, the Substance is not listed. Prop 65 - Developmental toxicity to the REACH Regulations (EC) No. 1907/2006. Substance is	Marine Pollutant (DOT):	No				
Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity of the REACH Regulations (EC) No. 1907/2006. Substance is	UN "Model Regulation":					
Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity of the REACH Regulations (EC) No. 1907/2006. Substance is	15 Regulatory information					
Hazard pictograms Not applicable Signal word Not applicable Hazard statements Not applicable National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	Safety, health and environmental regulations/legislation specific for the	substance or mixture				
Signal word Not applicable Hazard statements Not applicable National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, technically qualified individuals. Other regulations, limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.						
National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	Signal word Not applicable					
product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	National regulations					
This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This					
California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).					
Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, fmale Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65					
Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	Prop 65 - Chemicals known to cause cancer Substance is not listed.					
Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	Prop 65 - Developmental toxicity, female Substance is not listed.					
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.	Information about limitation of use: For use only by technically qualified individuals.					
(Contd. on page 4) USA	Substance of Very High Concern (SVHC) according to the REACH Regu	lations (EC) No. 1907/2006. Substance is not listed.				
			(Contd. on page 4)			

Product name: (S)-(-)-1-Benzyl-3-acetamidopyrrolidine

(Contd. of page 3) The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed.

Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the use Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: ADR: Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent LD50: Lethal concentration of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA