

Safety Data Sheet

prepared to UN GHS Revision 3

1. Identification of the Substance/Mixture and the Company/Undertaking

1.1	Product Identifier	750 ACT	Revision Date:	15/08/2022
	Product Name:	TAMMSFLEX 75 - ACT	Supersedes Date:	New SDS
1.2	Relevant identified uses of the substance or mixture and uses advised against	No Information		
1.3	Details of the supplier of the safety	data sheet		
	Importer:	Importer		
	Manufacturer:	StonCor Africa (Pty.) Ltd. 8 Cresset Road Midrand Industrial Park, Chloorkop P.O. Box 2205 2001, Johannesburg South Africa Regulatory / Technical Information: +27 11 254 5500		
	Datasheet Produced by:	Lekgoro, Wayne - ehs@stoncor.com		
1.4	Emergency telephone number:	CHEMTREC 1-800-424-9300 (Inside L CHEMTREC +1 703 5273887 (Outside		
		Giftinformasjonen: +47 22 59 13 00		

2. Hazard Identification

2.1 Classification of the substance or mixture

Acute Toxicity, Inhalation, category 4 Carcinogenicity, category 2 Eye Irritation, category 2A Respiratory Sensitizer, category 1 STOT, repeated exposure, category 2 STOT, single exposure, category 3, RTI Skin Irritation, category 2 Skin Sensitizer, category 1

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

4,4'-methylenediphenyl diisocyanate, isocyanic acid, polymethylenepolyphenylene ester

HAZARD STATEMENTS

Skin Irritation, category 2 Skin Sensitizer, category 1 Eye Irritation, category 2A Acute Toxicity, Inhalation, category 4 Respiratory Sensitizer, category 1	H315 H317 H319 H332 H334	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing
STOT, single exposure, category 3, RTI	H335	difficulties if inhaled. May cause respiratory irritation.
Carcinogenicity, category 2	H351	Suspected of causing cancer.
STOT, repeated exposure, category 2	H373	May cause damage to organs through prolonged or repeated exposure.
PRECAUTION PHRASES		
	P260 P280 P284 P285 P302+352 P304+340 P305+351+338 P308+313 P314 P333+313 P341 P342+311	Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/ face protection. Wear respiratory protection. In case of inadequate ventilation wear respiratory protection. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

3. C	3. Composition/Information On Ingredients							
3.2	Mixtures							
Hazar	Hazardous ingredients							
<u>Name</u>	According to EEC	EINEC No.	CAS-No.	<u>%</u>	<u>Classifications</u>			

Date Printed: 30/08/202	2				Product: 750 ACT
isocyanic acid, polymethylenepolyphen ylene ester	618-498-9	9016-87-9	50 - <75	H315-317-319-332-3 34-335-351-373	
4,4'-methylenediphenyl diisocyanate	202-966-0	101-68-8	2.5 - <10	H315-317-319-332-3 34-335-351-373	
CAS-No.	M-Factor	<u>rs</u>			
9016-87-9 101-68-8	0 0				

Additional Information:

The text for GHS Hazard Statements shown above (if any) is given in Section 16.

4. First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

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

No Information

4.3 Indication of any immediate medical attention and special treatment needed

Immediate medical attention is required. No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

5. Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

Flash back possible over considerable distance. In the event of fire, wear self-contained breathing apparatus. Water sprayDry powderAlcohol-resistant foamCarbon dioxide (CO2). Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

7. Handling and Storage

7.1 Precautions for safe handling

INSTRUCTIONS FOR SAFE HANDLING: Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Electrical equipment should be protected to the appropriate standard. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Do not breathe vapours or spray mist. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking.

PROTECTION AND HYGIENE MEASURES: Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat. STORAGE CONDITIONS: Store in original container. Keep locked up or in an area accessible only to qualified or authorised persons. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits

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(EU)
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Name	CAS-No.	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
isocyanic acid, polymethylenepolyphenylene ester	9016-87-9				
4,4'-methylenediphenyl diisocyanate	101-68-8			0.07	
Name	<u>CAS-No.</u>	OEL Note			
isocyanic acid, polymethylenepolyphenylene ester	9016-87-9				

4,4'-methylenediphenyl diisocyanate 101-68-8

FURTHER INFORMATION: Refer to the regulatory exposure limits for the workforce enforced in each country.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Respirator with a vapor filter.

EYE PROTECTION: Tightly fitting safety goggles.

HAND PROTECTION: Rubber or plastic gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Long sleeved clothing. Remove and wash contaminated clothing before re-use. Rubber or plastic apron.

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

9.	9. Physical and Chemical Properties				
9.1	Information on basic physical and chemical properties Appearance:	S Viscous Liquid Amber			
	Physical State	Liquid			
	Odor	Slight Musty Odour			
	Odor threshold	Not determined			
	рН	Non Aqueous			
	Melting point / freezing point (°C)	Not determined			
	Boiling point/range (°C)	N.D N.D.			
	Flash Point, (°C)	110			
	Evaporation rate	Not determined			
	Flammability (solid, gas)	Not determined			
	Upper/lower flammability or explosive limits	Not determined			
	Vapour Pressure	Not determined			
	Vapour density	Not determined			
	Relative density	1.11 - 1.13			
	Solubility in / Miscibility with water	Reacts			
	Partition coefficient: n-octanol/water	Not determined			
	Auto-ignition temperature (°C)	Not determined			
	Decomposition temperature (°C)	Not determined			
	Viscosity	450 cps			
	Explosive properties	Not determined			
	Oxidising properties	Not determined			
9.2	Other information				
	VOC Content g/l:	Refer to Base MSDS			
	Calculated grams of VOC per liter of coating product a				
	Specific Gravity (g/cm3)	1.177			
10	Stability and Peactivity				

10. Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Direct sources of heat.

10.5 Incompatible materials Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. Toxicological Information 11.1 Information on toxicological effects Acute Toxicity: Oral LD50: No information available. Inhalation LC50: No information available. Irritation: No information available. No information available. Corrosivity: Sensitization: No information available. No information available. Repeated dose toxicity: Carcinogenicity: This product contains one or more carcinogenic substances. See hazard classification and precautionary statements in Section 2 for further information. No information available. **Mutagenicity:** No information available. Toxicity for reproduction: No information available. STOT-single exposure: No information available. STOT-repeated exposure: No information available. Aspiration hazard:

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
9016-87-9	isocyanic acid, polymethylenepolyphenylene ester	>10000 mg/kg	>9400 mg/kg	049 mg/l (4 h, Aerosol. rat)	0.000	
101-68-8	4,4'-methylenediphenyl diisocyanate	15000 mg/kg oral		43 ppm vapor 4 hrs	0.000	0.000

Additional Information:

No Information

12. Ecological Information

12.1	Toxic	ity:						
	EC	50 48hr (Daphnia):	No info	ormation				
	IC	50 72hr (Algae):	No inf	formation				
	LC	50 96hr (fish):	No inf	formation				
12.2	Persi	stence and degradability:	No inf	formation				
12.3	12.3 Bioaccumulative potential:		No inf	formation				
12.4	2.4 Mobility in soil:		No inf	No information				
12.5	12.5 Results of PBT and vPvB assessment:		The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.					
12.6	12.6 Other adverse effects:		No inf	formation				
<u>CAS-</u>	No.	Chemical Name		<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>		
9016-	-87-9	isocyanic acid, polymethylenepolypher ester	nylene	No information	1640 mg/l	>1000 mg/l		
101-6	68-8	4,4'-methylenediphenyl diisocyanate		>1000 mg/l	No information	>1000 mg/l		
13.	Disp	osal Considerations						

13.1 WASTE TREATMENT METHODS: Do not burn, or use a cutting torch on, the empty drum. If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14.	Transport Information	
14.1	UN number	Not applicable
14.2	UN proper shipping name	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.
	Technical name	Not applicable
14.3	Transport hazard class(es)	Not applicable
	Subsidiary shipping hazard	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental hazards	Not applicable
14.6	Special precautions for user	Not applicable
	EmS-No.:	Not applicable
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not applicable

15. Regulatory Information

^{15.1} Safety, health and environmental regulations/legislation for the substance or mixture:

National Regulations:Not availableDenmark Product Registration Number:Not availableDanish MAL Code:Not availableDanish MAL Code - Mixture:Not availableSweden Product Registration Number:Not availableNorway Product Registration Number:Not availableWGK Class:Not available

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. Other Information

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H315 H317 H319	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Reasons for revision

No Information

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark; European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830; European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP); EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
	Parts per million
ppm mg/m3	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
q/1	Grams per liter
g/i mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
VPVB	Very persistent and very bioaccumulative
EEC	
ADR	European Economic Community
	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail United Nations
UN	
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as
modified by the Pr	International Bulk Container
IBC	
RTI	Respiratory Tract Irritation Narcotic Effects
NE	NALCOLLC FILECUS

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.

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