



MATERIAL SAFETY DATA SHEET FOR SURE FIX ACTIVATOR

1. IDENTIFICATION OF PRODUCT & COMPANY
<p>PRODUCT NAME - SURE FIX ACTIVATOR INTENDED USE - No relevant information SUPPLIER – Tough Technology products Ltd, Eaton Place Business Centre, 114 Washway Road, Sale, Cheshire, England M33 7RF emergency Tele - 0161 9699939</p>
2. COMPOSITION / INFORMATION OF INGREDIENTS
<p>No relevant information. For details of substances presenting a health hazard within the meaning of the Chemicals (Hazard Information & Packing) regulations 1993 see under Section 8 of this Safety Data Sheet.</p>
3. HAZARDS IDENTIFICATION
<p>Highly Flammable, keep away from sources of ignition – No smoking. Prolonged contact with product may result in the removal of essential fats and may result in dermatitis unless good personal hygiene is used. Harmful by inhalation, in contact with skin and if swallowed – Highly Flammable.</p>
4. FIRST AID MEASURES
<p>General: In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person. First Aid for Inhalation: Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice. First Aid for Eye Contact: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding the eyelids apart, seek medical advice. Avoid sunlight or other sources of UV radiation. First Aid for Skin Contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. Avoid exposure to sunlight or other sources of ignition. First Aid for Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.</p>
5. FIREFIGHTING MEASURES
<p>EXTINGUISHING MEDIA – Carbon Dioxide, Dry Powder, Halogenated Hydrocarbons, Sand, Foam NOT TO BE USED: - Water SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL – Fire will produce dense black smoke containing hazardous products of combustion (see Section 10.) Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow water run off from fire fighting to enter drains or water courses.</p>
6. ACCIDENTAL RELEASE MEASURES
<p>Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect.7&8. Contain and collect spillage's with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations. Do not allow large quantities to enter drains or water courses. If it does local water companies should be contacted, in case of contamination of streams or rivers or lakes the National Rivers Authority Clean preferably with a detergent, avoid use of solvents..</p>
7. HANDLING AND STORAGE
<p>Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapour concs higher than OEL. Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non sparking tools and exclude sources of heat, sparks & flames. Keep container tightly closed. Never use pressure to empty, container is not a pressure vessel. Always keep in containers made of the same material as the supply container. Avoid skin & eye contact. For personal protection see sect.8. Good housekeeping and regular removal of waste materials will minimise risks. The product may charge electrostatically. Use earthing leads when transferring from one container to another. Wear anti-static footwear and clothing & floors should be electrically conductive.</p>

Subject to the Highly Flammable Liquids & Liquefied Petroleum Gases Regulations. Up to 50lts may be kept in workroom in a fireproof cupboard or bin, otherwise must be kept in a separate room. For further guidance see the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store between 5 & 25°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidising agents and strongly alkaline and acid materials. The principles contained in the HSE's guidance note Storage of Packaged Dangerous substances should be observed when storing this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures - Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.

Substance Name	% Conc Range	Symbol	OES 8 hr ppm	OES 15 min ppm	Risk Phrases	Notation
NN-DIMETHYLTOLUIDINE PORPRIETRY BLEND OF ALIPHATIC HYDROCARBON SOLVENTS (LOW HEXANE)	>0.1% & = <2% <70% & = <100%	T F	300.00		23/24/25- 33 11	OES

Notes Notations = Sk - risk or absorption through skin Sen - respiratory sensitiser.

OES = Occupational Exposure Standard MEL - Maximum Exposure Limit.

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

General Protection - All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection - If exposure to hazardous substances identified above cannot be controlled by provision of local exhaust ventilation & good general extraction, suitable respiratory protective equipment should be worn.

Hand Protection - Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

Eye Protection - Eye protection designed to protect against liquid splashes should be worn.

Skin Protection - Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

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9. Physical & Chemical Properties

Physical State	Clear pale yellow liquid	Vapour Density	HEAVIER than Air
Flash Point		Lower Explosion Limit	
Viscosity		Solubility in water	Partially Miscible
Specific Gravity	0.79gms/cc Method Hydrometer		

10. STABILITY AND REACTIVITY

Stable under the recommended storage & handling conditions (see sect.7) In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Contains materials unstable above 50°C, in sunlight & other strong UV sources, free radical initiators, peroxides, strong acid or alkalis or reactive metals. Contact with the above may lead to uncontrolled exothermic polymerisation.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Acrylate components have irritant properties. Prolonged or repeated exposure with skin or mucous membrane may result in irritant symptoms such as redness, blistering or dermatitis. Symptoms may be delayed. Cases of allergic skin reactions have been observed. Liquid splashes in the eye may cause irritation. Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may lead to severe respiratory difficulties, stimulation of the central nervous system and in extreme cases unconsciousness.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

14. TRANSPORT INFORMATION

Hazardous Class less than 20ml containers

Not regulated if less than 1 litre under rule hazardous goods in limited quantities

Domestic Road/Rail

None if less than <1 Litre – Heptane Solution Class3

Packaging Group II for > 1 Litre

UN NO: 1206 . 1 Litre

Marine Pollution – No

IATA – Class 3 Group II UN1206

Proper Shipping Name – Heptane Solution

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the \Chemicals (Hazard Information & Packaging) Regulations as follows:

Classification: Xn – Harmful
F - Highly Flammable

Contains NN-DIMETHYLTOLUIDINE

Risk Phrases	20/21/22 11	Harmful by inhalation, in contact with skin and if swallowed. Highly Flammable
Safety Phrases	2 35 46 13	Keep out of way of children This material and its container must be disposed of in a safe way If swallowed seek medical advice immediately and show this container or label. Keep away from food, drink and animal feeding stuffs
'P'Phrases		
The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation. The provisions of the Health & Safety at work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.		

16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 8

R11	High Flammable
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R33	Danger of cumulative effects

Date of Origination 20/04/96
Date of last revision 16/06/99

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in Section 1. without first referring to the supplier and obtaining written instructions.

As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation complied with. The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation..It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. Further information and relevant advice can be found in:- The control of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657). The manual Handling Operations Regulations 1992 (SI 1992: 2793). Storage of Flammable Liquids in Containers. HS (G) 51 Storage of Packaged Dangerous Substances HS (G) 71. The Environmental Protection (duty of Care) Regulations 1992 (SI '988: 2839)